



APPENDIX

APPENDIX



APPENDIX

A. FLORIDA ADMINISTRATIVE CODE – CHAPTER 14-97



Chapter 14-97

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STATE HIGHWAY SYSTEM ACCESS MANAGEMENT CLASSIFICATION SYSTEM AND STANDARDS

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14-97.001 Purpose. This rule chapter sets forth an access control classification system and access management standards to implement the State Highway System Access Management Act of 1988. The implementation of the access control classification system and access management standards will protect the public health, safety and welfare, provide for the mobility of people and goods, and preserve the functional integrity of the State Highway System.

Rulemaking Authority 334.044(2), 335.182, 335.188 FS. Law Implemented 334.044(10)(a), 335.18 - 335.188 FS. History – New 2-13-91, Amended 10-7-09.

14-97.002 Definitions. For the purposes of this rule chapter the following definitions shall apply unless the context clearly shows otherwise:

(1) “Area Type” means one of four specific land use categories reflecting certain land use and intensity characteristics used in specifying the interchange spacing standards for limited access facilities.

(2) “Central Business District (CBD) and CBD Fringe” means the areas contained within a boundary designated as CBD and CBD fringe area type in the adopted MPO Long Range Transportation Plan. For the purpose of this rule chapter this area is designated as Area Type I and only applies to Access Class 1.

(3) “Connection” means as defined in Section 335.182, F.S. For the purpose of this rule chapter, two one-way connections to a property may constitute a single connection.

(4) “Connection Spacing Standard” means the distance between connections, measured from the closest edge of pavement of the first connection to the closest edge of pavement of the second connection along the edge of the traveled way.

(5) “Controlled Access Facility” means as defined in Rule 14-96.002, F.A.C.

(6) “Corridor Access Management Plan” means a strategy defining site specific access management and traffic control features for a particular roadway segment, developed in coordination with the affected local government(s) and adopted by the Department in cooperation with the affected local government(s).

(7) “Department” means the Florida Department of Transportation.

(8) “Directional Median Opening” means as defined in Rule 14-96.002, F.A.C. Directional median openings for two opposing left or “U-turn” movements along one segment of road are considered one directional median opening.

(9) “Existing Urbanized Areas other than CBD and CBD Fringe” means the area between the CBD and CBD Fringe area boundary and the existing Urban Area Boundary for Urbanized Areas as reflected in the MPO Long Range Transportation Plan. For the purpose of this rule chapter, this area is designated as Area Type 2 and only applies to Access Class 1.

(10) “FHWA” means Federal Highway Administration.

(11) “Full Median Opening” means as defined in Rule 14-96.002, F.A.C.

(12) “Generally Accepted Professional Practice” means as defined in Rule 14-96.002, F.A.C.

(13) “Governmental Entities” means as set forth in Section 335.188, F.S.

(14) “Intersection” means an at-grade connection or crossing of a local road or state highway with a state highway.

(15) “Limited Access Facility” means as defined in Section 334.03, F.S.

(16) “Local Governmental Entity” means as defined in Section 334.03, F.S.

(17) “Median” means as defined in Rule 14-96.002, F.A.C.

(18) “Median Opening Spacing Standard” means the distance between openings in a restrictive median. The distance is measured from centerline to centerline of the openings along the traveled way.

(19) “Metropolitan Planning Organization (MPO)” means as described in Section 339.175, F.S.

(20) “Non-Restrictive Median” means as defined in Rule 14-96.002, F.A.C.

(21) “Reasonable Access” means as defined in Rule 14-96.002, F.A.C.

(22) “Restrictive Median” means as defined in Rule 14-96.002, F.A.C.

(23) “Rural Areas” means the area between the outer boundary of Area Type 3 and the next Area Type 3 outer boundary. For the purpose of this rule chapter, this term this area is designated as Area Type 4 and only applies to Access Class 1.

(24) “Service Road” means a public or private roadway providing access to parcels adjacent to a controlled access facility.

(25) “Signal Spacing Standard” means the spacing or distance between adjacent traffic signals on a controlled access facility measured from centerline to centerline of the signalized intersections along the traveled way.

(26) “Significant Change” means as defined in Section 335.182, F.S.

(27) “State Highway System (SHS)” means as defined in Section 334.03, F.S.

(28) “Transitioning Urbanized Area” means the area between the existing Urbanized Area Boundary and the future projected Urbanized Area Boundary anticipated within the next 20 years as established by the MPO and the Department. For the purpose of this rule chapter, this area is designated Area Type 3 and only applies to Access Class 1.

(29) “Traveled Way” means the portion of roadway for the movement of vehicles, exclusive of shoulders and auxiliary lanes.

(30) “Urban Area” means an area defined by the US Census Bureau as of Census having a population of at least 5,000 at specific urban densities.

(31) “Urbanized Area” means an area defined by the US Census Bureau as having a

population of at least 50,000 at specific urban densities.

Rulemaking Authority 334.044(2), 335.182, 335.188 FS. Law Implemented 334.044(10)(a), 335.182, 335.188 FS. History – New 2–13–91, Amended 10-07-09.

14–97.003 Access Control Classification System and Access Management Standards.

(1) The following tables contain the access control classification and access management standards to be used in the planning, design, and permitting of connections, and the planning and design of medians, median openings, and signal spacing for roads on the SHS. The Department encourages encourage the use of joint access driveways and service roads.

[Editorial Note: The following table completely replaces Figure 1 “Access Class Classification and Standards Limited Access Facilities Interchanges” published in the Florida Administrative Code.]

Table 1 Access Management Standards for Limited Access Facilities		
Access Class	Segment Location	Applicable Interchange Spacing Standard
1	Area Type 1 - CBD & CBD Fringe for Cities in Urbanized Areas	1 Mile
	Area Type 2 - Existing Urbanized Areas Other Than Area Type 1	2 Miles
	Area Type 3 - Transitioning Urbanized Areas and Urban Areas Other Than Area Type 1 OR 2	3 Miles
	Area Type 4 - Rural Areas	6 Miles

[Editorial Note: The following table completely replaces Figure 2 “Controlled Access Facilities” published in the Florida Administrative Code.]

Table 2
Access Management Standards for Controlled Access Facilities

Access Class	Median	Median Opening Spacing Standard (feet)		Signal Spacing Standard (feet)	Connection Spacing Standard (feet)	
		Full	Directional		Posted Speed Greater than 45 MPH	Posted Speed of 45 MPH or Less
2	Restrictive	2,640	1,320	2,640	1,320	660
3	Restrictive	2,640	1,320	2,640	660	440
4	Non-Restrictive			2,640	660	440
5	Restrictive	2,640 Posted Speed Greater than 45MPH	660	2,640 Posted Speed Greater than 45MPH	440	245
		1,320 Posted Speed of 45 MPH or Less		1,320 Posted Speed of 45 MPH or Less		

6	Non-Restrictive			1,320	440	245
7	Both Median Types	660	330	1,320	125	125

The interim standards ~~as~~ contained in Rule 14-97.004(1), F.A.C., shall be used for any unclassified segments of the SHS until replaced by an adopted access classification.

(2) Access Control Classification. The seven access classes are described as follows:

(a) Access Class 1 consists of limited access facilities, which roadways do not provide direct property connections. These roadways provide for high speed and high volume traffic movements serving interstate, interregional, and intercity, and, to a lesser degree, intracity, travel needs. Interstate highways and Florida's Turnpike are typical of this class. The interchange spacing standards, based on the Area Type the highway is passing through, are for the through lanes or main line of the facility. New interchanges to Access Class 1 facilities shall be based on an engineering analysis of the operation and safety of the system. These interchanges can only be approved through the interchange justification process. Approval by the Department and FHWA is required before any new interchange is constructed.

(b) Access Classes 2 through 7 consist of controlled access facilities and are arranged from the most restrictive (Access Class 2) to the least restrictive (Access Class 7) class based on development. Generally the roadways serving areas without existing extensive development are classified in the upper portion of the range (Access Class 2, 3, and 4). Those roadways serving areas with existing moderate to extensive development are generally classified in the lower portion of the range (Access Class 5, 6, and 7). The access management standards for each access class are further determined by the posted speed limit.

1. Access Class 2 roadways are highly controlled access facilities distinguished by the ability to serve high speed and high volume traffic over long distances in a safe and efficient manner. This access class is further distinguished by a highly controlled limited number of connections,

median openings, and infrequent traffic signals. Segments of the SHS having this classification usually have access restrictions supported by local ordinances and agreements with the Department, and are generally supported by existing or planned service roads.

2. Access Class 3 roadways are controlled access facilities where direct access to abutting land is controlled to maximize the operation of the through traffic movement. The land adjacent to these roadways is generally not extensively developed and/or the probability of significant land use change exists. These roadways are distinguished by existing or planned restrictive medians.

3. Access Class 4 roadways are controlled access facilities where direct access to abutting land is controlled to maximize the operation of the through traffic movement. The land adjacent to these roadways is generally not extensively developed and/or the probability of significant land use change exists. These roadways are distinguished by existing or planned non-restrictive median treatments.

4. Access Class 5 roadways are controlled access facilities where adjacent land has been extensively developed and where the probability of major land use change is not high. These roadways are distinguished by existing or planned restrictive medians.

5. Access Class 6 roadways are controlled access facilities where adjacent land has been extensively developed, and the probability of major land use change is not high. These roadways are distinguished by existing or planned non-restrictive medians or centerlines.

6. Access Class 7 roadways are controlled access facilities where adjacent land is generally developed to the maximum feasible intensity and roadway widening potential is limited. This classification shall be assigned only to roadway segments where there is little intent or opportunity to provide high speed travel. Exceptions to access management standards in this access class may be allowed if the landowner substantially reduces the number of connections compared to existing conditions. These roadways can have either restrictive or non-restrictive medians.

(3) Access Management Standards.

(a) Connection permit applications, submitted pursuant to Rule Chapter 14-96, F.A.C., shall

be reviewed subject to the standards of this rule chapter.

(b) Existing lawful connections, median openings, and signals are not required to meet the access management standards. Existing access management features will generally be allowed to remain in place, but shall be brought into conformance with access management standards when significant change occurs, or as changes to the roadway design allow.

(c) A property that cannot meet the access management standards for a connection, as set forth herein, is eligible to be permitted by the Department for a single connection pursuant to Rule Chapter 14-96, F.A.C., where there is no other reasonable access to the SHS and the connection will not create a safety or operational hazard.

(d) Greater distances between connections and median openings will be required by the Department where necessary to meet operational and safety requirements. In these instances, the Department shall make such determination based on generally accepted professional practice standards.

(e) Adjacent properties under common ownership shall be considered one parcel for purposes of this rule. Persons requesting connections for one or more adjacent properties under common ownership may, however, as a part of the Rule Chapter 14-96, F.A.C., permit process, request that the properties be considered individually for connection permitting purposes. Such requests shall be included as part of the permit application and shall provide specific analyses and justification of potential safety and operational hazards, associated with the compatibility of the volume, type or characteristics of the traffic using the connection. A contract for sale, a long term lease, or similar document shall constitute separate ownership from the parent tract for the purpose of this rule chapter, if the sale would not result in common ownership. A connection permit issued based on a contract for sale will be conditioned on transfer of the property to the buyer.

(f) The speed criteria referred to in Table 2, Access Management Standards for Controlled Access Facilities, and in the Interim Access Management Standards in Table 3, means the posted speed limit at the proposed connection location.

(g) Corridor Access Management Plans may be adopted by the Department in coordination

with local governmental entities. These plans shall be based on an analysis by the Department using generally accepted professional practice standards and will provide corridor specific access management and traffic control features. Before the adoption of such plans, the Department shall notify affected local governments and abutting property owners and shall hold a public meeting, if requested. After consideration of public input, the Department shall, in cooperation with the affected local government, finalize the plan.

[Editorial Note: The net result will be total deletion the “Corner Clearance at Intersection” table as published in the Florida Administrative Code.]

(i) Interchange Areas. Connections and median openings on a controlled access facility located up to 1/4 mile from an interchange area or up to the first intersection with an arterial road, whichever distance is less, shall be more stringently regulated to protect safety and operational efficiency of the SHS, as set forth below:

1. The 1/4 mile distance shall be measured from the end of the taper of the ramp furthest from the interchange.

2. With the exception of Access Class 2 facilities with posted speed limits over 45 MPH, the distance from the interchange ramp(s) to the first connection shall be at least 660 feet where the posted speed limit is greater than 45 MPH, or at least 440 feet where the posted speed limit is 45 MPH or less. This distance will be measured from the end of the taper for that particular quadrant of the interchange on the controlled access facility. For Access Class 2 facilities with posted speed limits over 45 MPH, the distance to the first connection shall be at least 1,320 feet.

3. The standard distance to the first full median opening shall be at least 2,640 feet as measured from the end of the taper of the off ramp.

4. Greater distances between proposed connections and median openings will be required when the Department determines, based on generally accepted professional practice standards, that the engineering and traffic information provided in the Rule Chapter 14-96, F.A.C., permit application shows that the safety or operation of the interchange or the limited access highway would be adversely affected.

(j) Traffic signals, which are proposed at intervals closer than the access management standard for the designated access class, will only be approved where the need for such signal(s) is clearly demonstrated for the safety and operation of the roadway and approved through the signal warrant process.

Rulemaking Authority 334.044(2), 335.182, 335.188 FS. Law Implemented 334.044(10)(a), 335.182, 335.188, 338.001 FS. History – New 2-13-91, Amended 10-07-09.

14-97.004 Interim Access Management Standards.

(1) Interim access management standards shall ~~to~~ be applied to unclassified roadways on the SHS, such as when a local government transfers a roadway to the Department to become part of the SHS. After a roadway has been classified pursuant to this rule chapter, the access management standards associated with the designated access control classification shall supersede these interim standards.

- Table 3 INTERIM ACCESS MANAGEMENT STANDARDS				
Posted Speed (MPH)	Connection Spacing Standard (Feet)	Median Opening Spacing Standard (Feet)		-
		Full	Directional	
		-	-	
35 or less	245	1,320	660	-
36 to 45	440	1,320	660	-
				-

Over 45	660	1,320	1320	-
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(2) The assignment of an access control classification to all segments of the SHS shall be the responsibility of the Department. The Department shall provide notice by publication in a newspaper of general circulation of proposed access control classification and shall coordinate with and consider the comments of the affected governmental entities before assigning a final access control classification to a roadway segment. The Department will hold public meetings, if requested to seek comment before final access classification of a roadway segment. Upon assignment of access control classification, the Department will provide notice to affected governmental entities.

Rulemaking Authority 334.044(2)335.182, 335.188 FS. Law Implemented 334.044(10)(a), 335.188 FS. History – New 2-13-91, Amended 10-07-09.

14-97.005 Review and Modification of Classification.

(1) The Department will review ~~the~~ access control classifications for specific segments of the SHS in consideration of the criteria listed in Section 335.188, F.S. Roadside development does not, in and of itself, necessarily constitute a reason to lower the access control classification. If reclassification of a roadway segment is necessary, the Department shall, prior to any change in classification notify the affected governmental entities regarding the proposed reclassification and publish its intent to reclassify in a local newspaper of general circulation. The Department will hold a public meeting in the affected county, if requested, to seek comments on the proposed reclassification. The Department shall coordinate with, and will take into consideration, comments or concerns of the affected governmental entities and/or members of the public regarding the reclassification. The Department will notify the affected governmental entities of the final determination on the reclassification action(s).

(2) A written request may be made to the appropriate Department District Secretary that the Department review the access control classification of any specific segment(s) of the SHS. Such written request shall specify why the change of access control classification is sought, the desired

access classification, and justification for the access classification change, based on the standards and criteria contained in Section 335.188, F.S., and in this rule chapter. The Department shall consider such requests, coordinating with the affected governmental entities and shall deny the request or publish notice of the Department's intent to reclassify the roadway segment(s) in a local newspaper of general circulation. If requested, the Department will hold a public meeting.

Rulemaking Authority 334.044(2), 335.182, 335.188 FS. Law Implemented 334.044(10)(a), 335.182, 335.188 FS. History – New 2-13-91, Amended 10-07-09.

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APPENDIX

B. CONCEPT PLANS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONCEPT PLANS

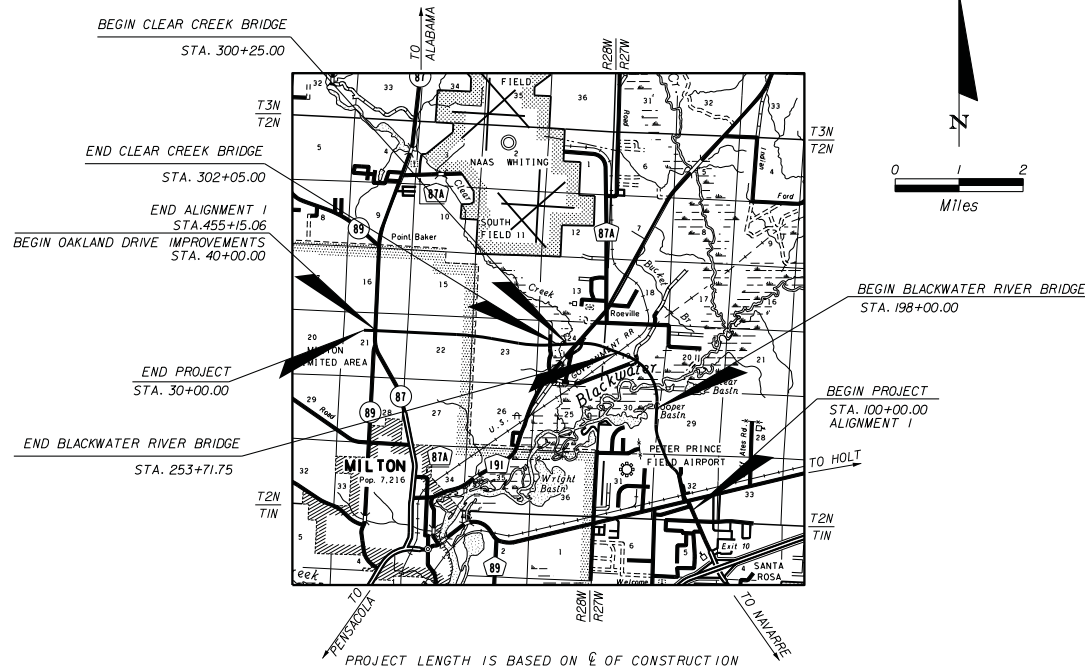
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416748-3-22-02, 416748-4-22-01, 416748-4-22-02

SANTA ROSA COUNTY
STATE ROAD NO. 87 CONNECTOR
ALIGNMENT I

INDEX OF CONCEPT PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2-6	TYPICAL SECTION SHEETS
7-8	PROJECT LAYOUT
9-40	PLAN SHEETS
41-47	PROFILE SHEETS
48-51	TRANSITION LAYOUTS

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2002/2003,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2000,
AS AMENDED BY CONTRACT DOCUMENTS.



PLANS PREPARED BY:
METRIC ENGINEERING, INC.
2616 JENKS AVENUE
PANAMA CITY, FLORIDA 32405
PHONE: (850) 872-8044
FAX: (850) 872-8704
CONTRACT NO. C-8073
VENDER NO. F-59-1685550
CERTIFICATE OF AUTHORIZATION NO. EB-0002294

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	29,704.23	5.63
BRIDGES	5,751.75	1.09
NET LENGTH OF PROJECT	35,455.98	6.72
EXCEPTIONS	NA	NA
GROSS LENGTH OF PROJECT	35,455.98	6.72

FDOT PROJECT MANAGER: PEGGY KELLEY

SR 87 FROM US 90 @ SR 87S TO SR 87N

KEY SHEET REVISIONS	
DATE	DESCRIPTION

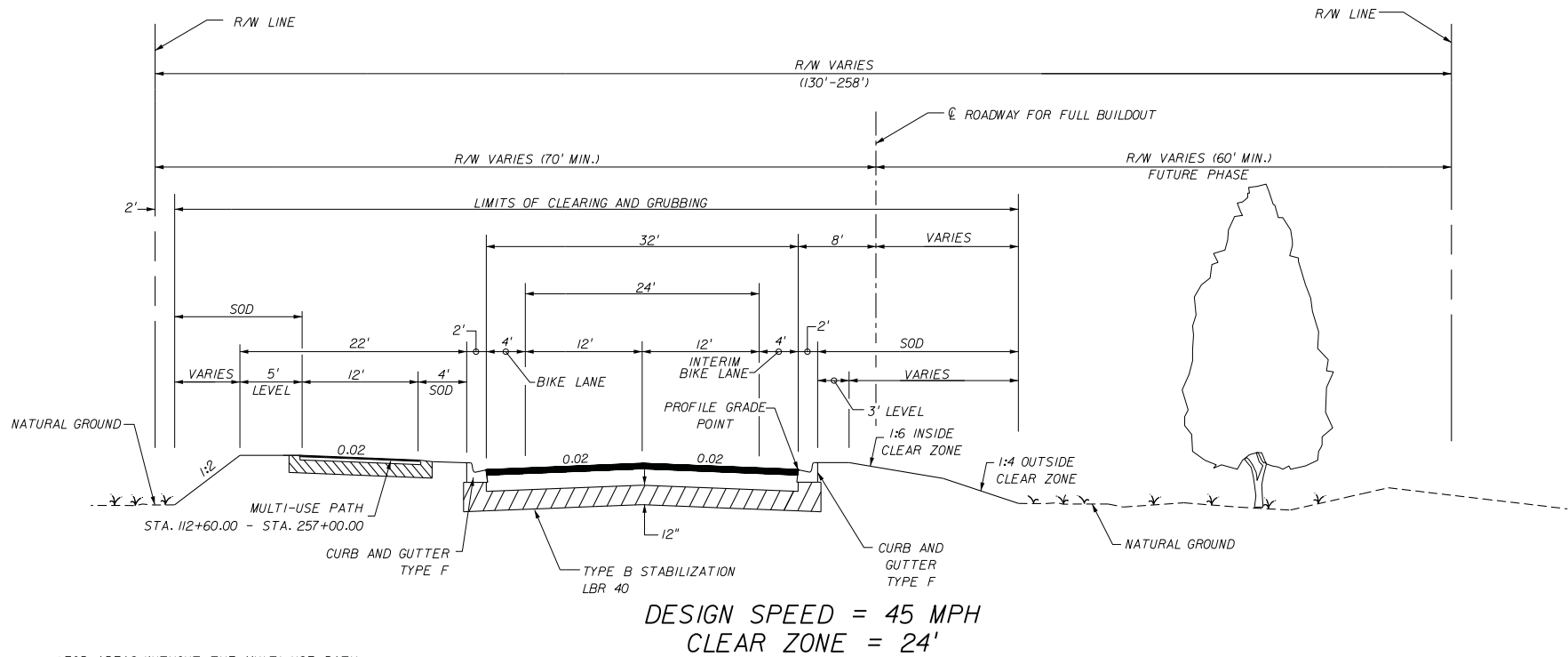
ROADWAY PLANS
ENGINEER OF RECORD: JESSICA BLOOMFIELD, P.E.

P.E. NO. 66427

FISCAL YEAR	SHEET NO.
	1


URBAN TYPICAL SECTION PROPOSED INTERIM NTS.

INTERIM: STA. 155+00 - STA. 253+71.75 (INCLUDES BLACKWATER RIVER BRIDGE)



DESIGN SPEED = 45 MPH
CLEAR ZONE = 24'

*FOR AREAS WITHOUT THE MULTI-USE PATH,
THE LEFT SIDE WILL MIRROR THE RIGHT SIDE

REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION SHEET ALIGNMENT 1	SHEET NO. 3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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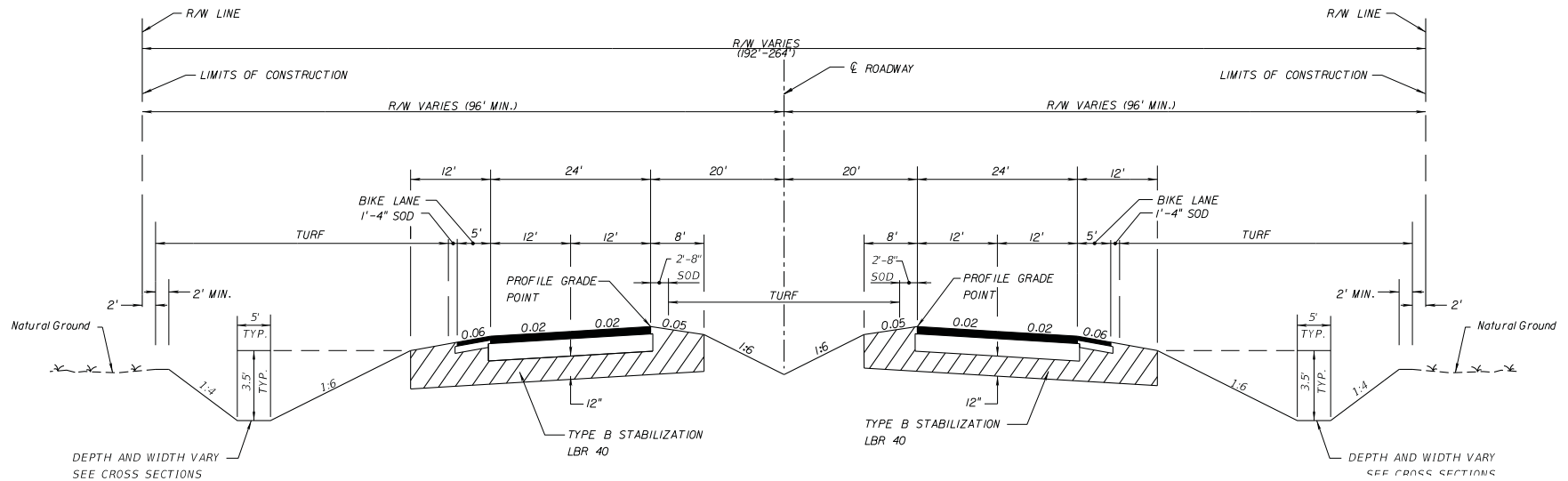
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RURAL TYPICAL SECTION
PROPOSED BUILDOUT NTS.

BUILDOUT: STA. 253+71.75 - STA. 441+89 (INCLUDES CLEAR CREEK BRIDGE)



DESIGN SPEED = 65 MPH
CLEAR ZONE = 36'

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



METRIC ENGINEERING, INC.
2616 JENKS AVENUE
PANAMA CITY, FLORIDA 32405
TEL. (850) 872-8044
FAX. (850) 872-8704
FLORIDA CERT. NO. EB-0002294

- ENGINEERS
- PLANNERS
- SURVEYORS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

TYPICAL SECTION SHEET
ALIGNMENT 1

SHEET
NO.
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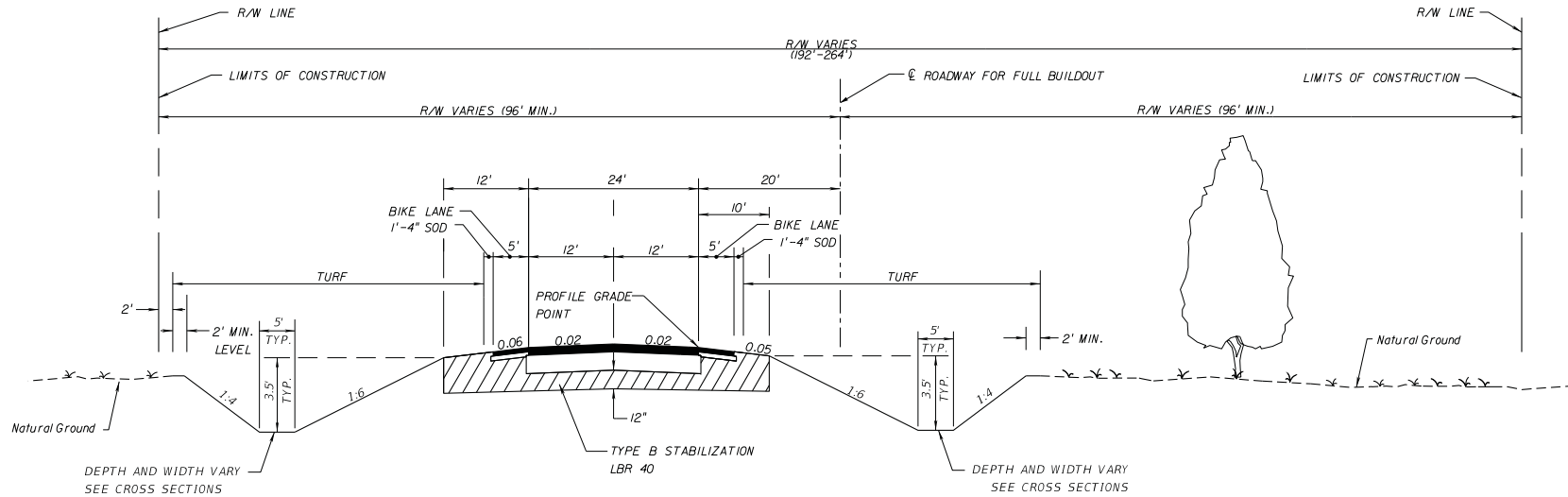
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RURAL TYPICAL SECTION PROPOSED INTERIM NTS.

INTERIM: STA. 253+71.75 - STA. 441+89 (INCLUDES CLEAR CREEK BRIDGE)



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CLEAR ZONE = 36'

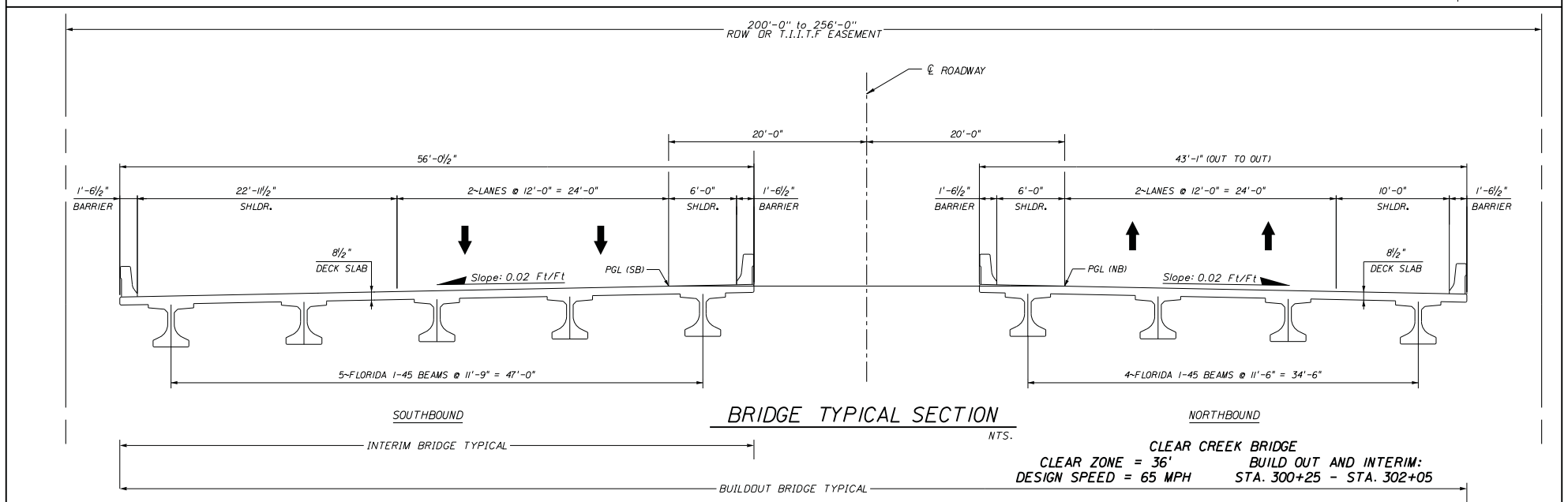
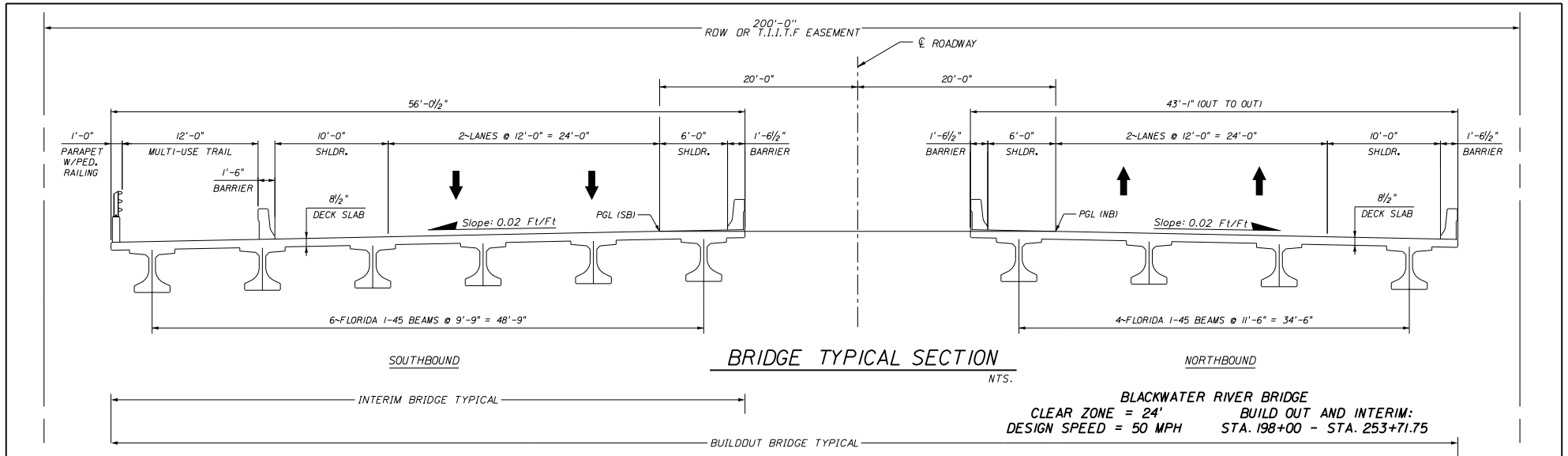
REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION SHEET ALIGNMENT 1	SHEET NO. 5
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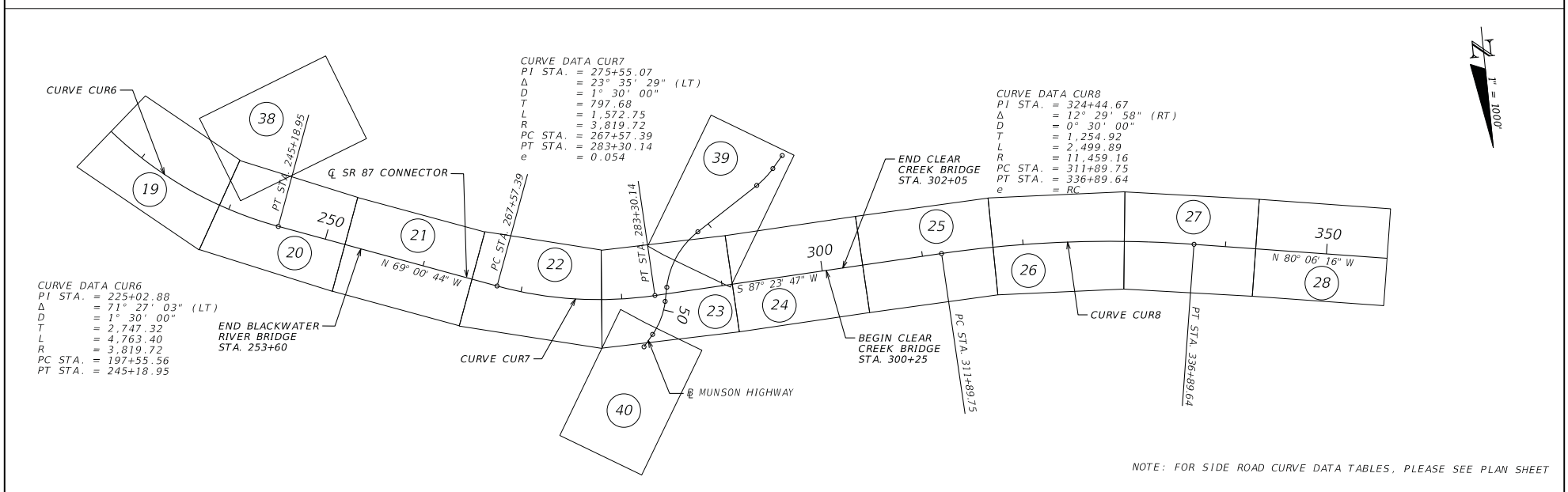
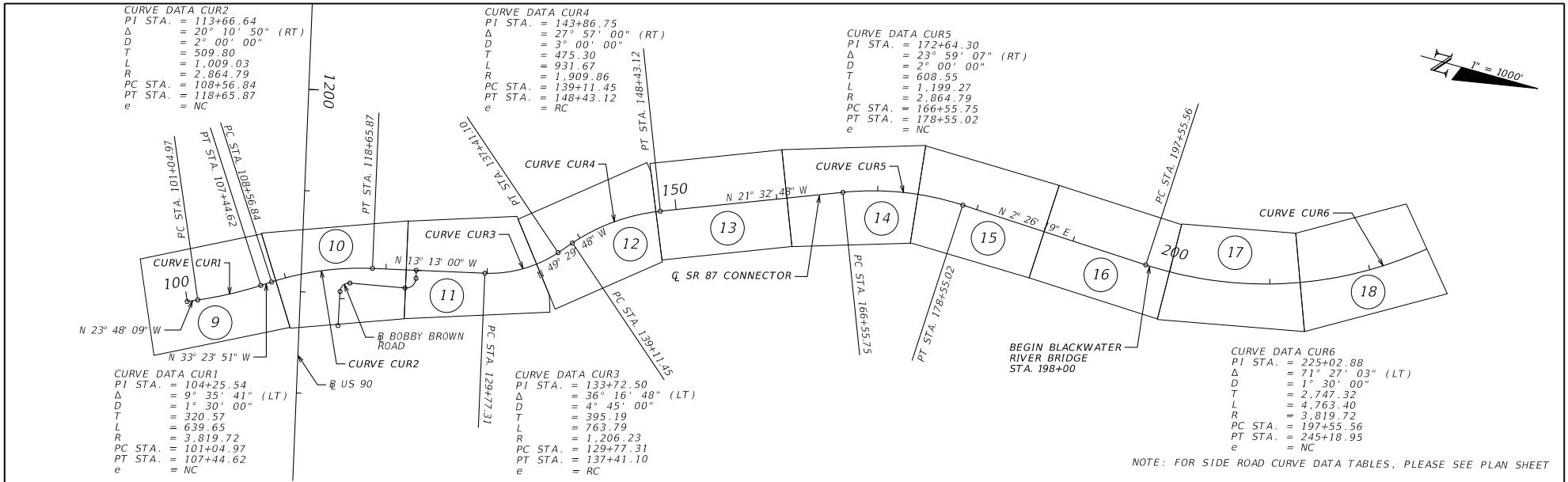
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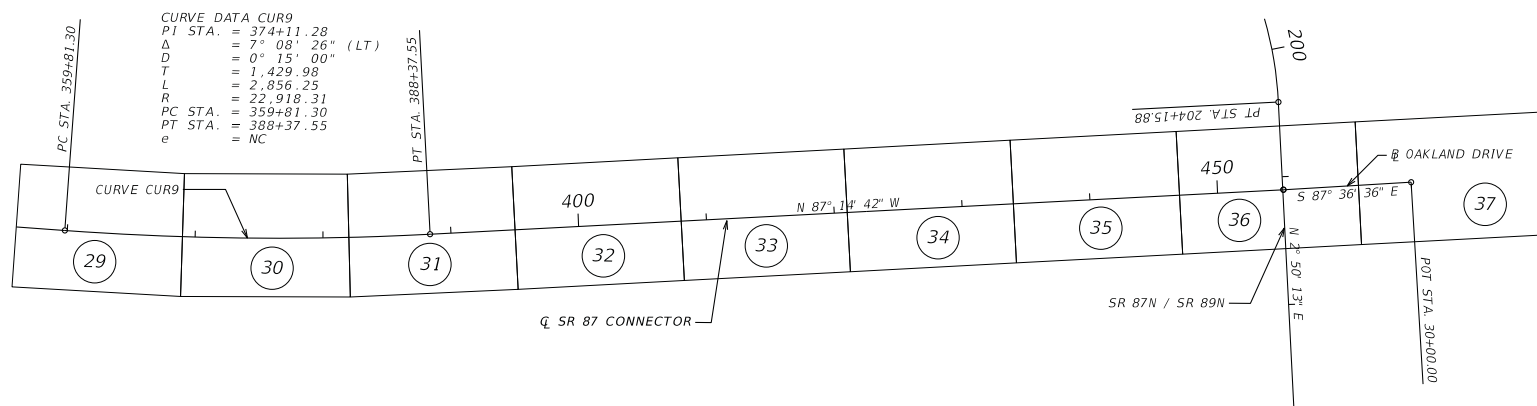
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REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROJECT LAYOUT ALIGNMENT 1	SHEET NO. 7
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				 ENGINEERS PLANNERS SURVEYORS	SR 87	SANTA ROSA	416749-3-22-01, ETC.		



NOTE: FOR SIDE ROAD CURVE DATA TABLES, PLEASE SEE PLAN SHEET

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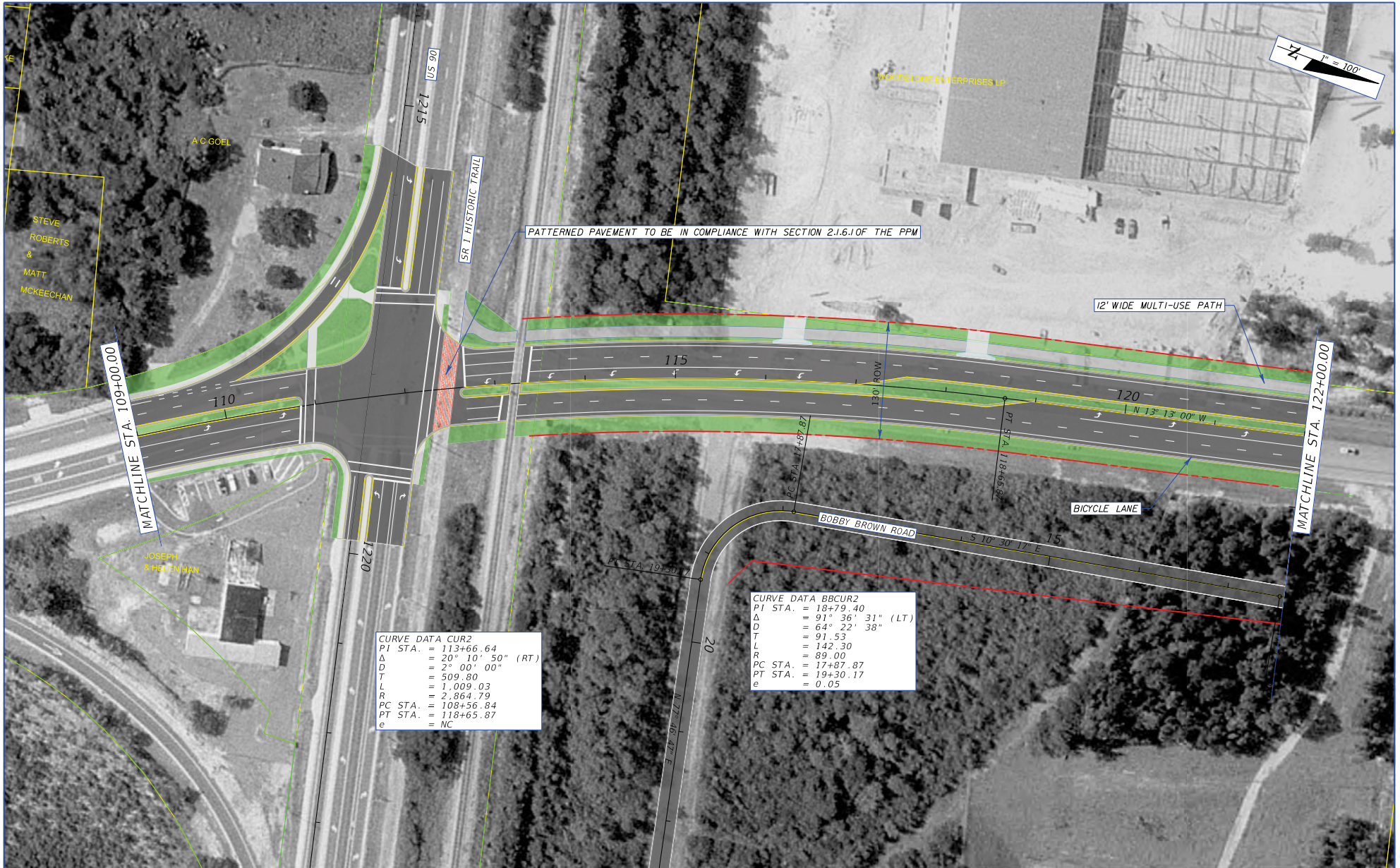
REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 9
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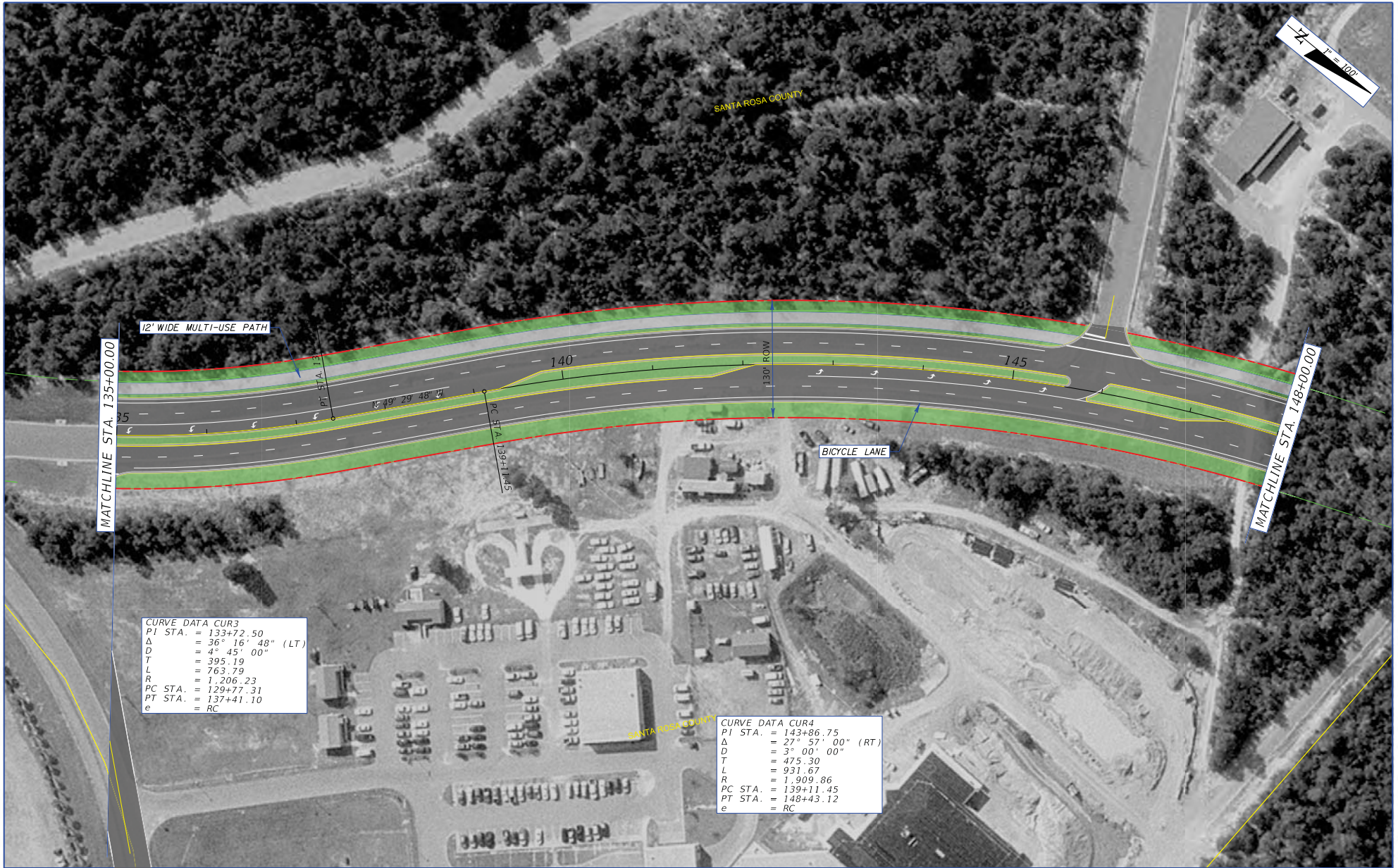
REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL (850) 872-8044 FAX (850) 872-8704 FLORIDA CERT NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 11
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		

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CURVE DATA CUR3
PI STA. = 133+72.50
Δ = 36° 16' 48" (LT)
D = 4° 45' 00"
T = 395.19
L = 763.79
R = 1,206.23
PC STA. = 129+77.31
PT STA. = 137+41.10
e = RC

CURVE DATA CUR4
PI STA. = 143+86.75
Δ = 27° 57' 00" (RT)
D = 3° 00' 00"
T = 475.30
L = 931.67
R = 1,909.86
PC STA. = 139+11.45
PT STA. = 148+43.12
e = RC

REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 12
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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CURVE DATA CUR4
PI STA. = 143+86.75
 Δ = 27° 57' 00" (RT)
D = 3° 00' 00"
T = 475.30
L = 931.67
R = 1,909.86
PC STA. = 139+11.45
PT STA. = 148+43.12
e = RC

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



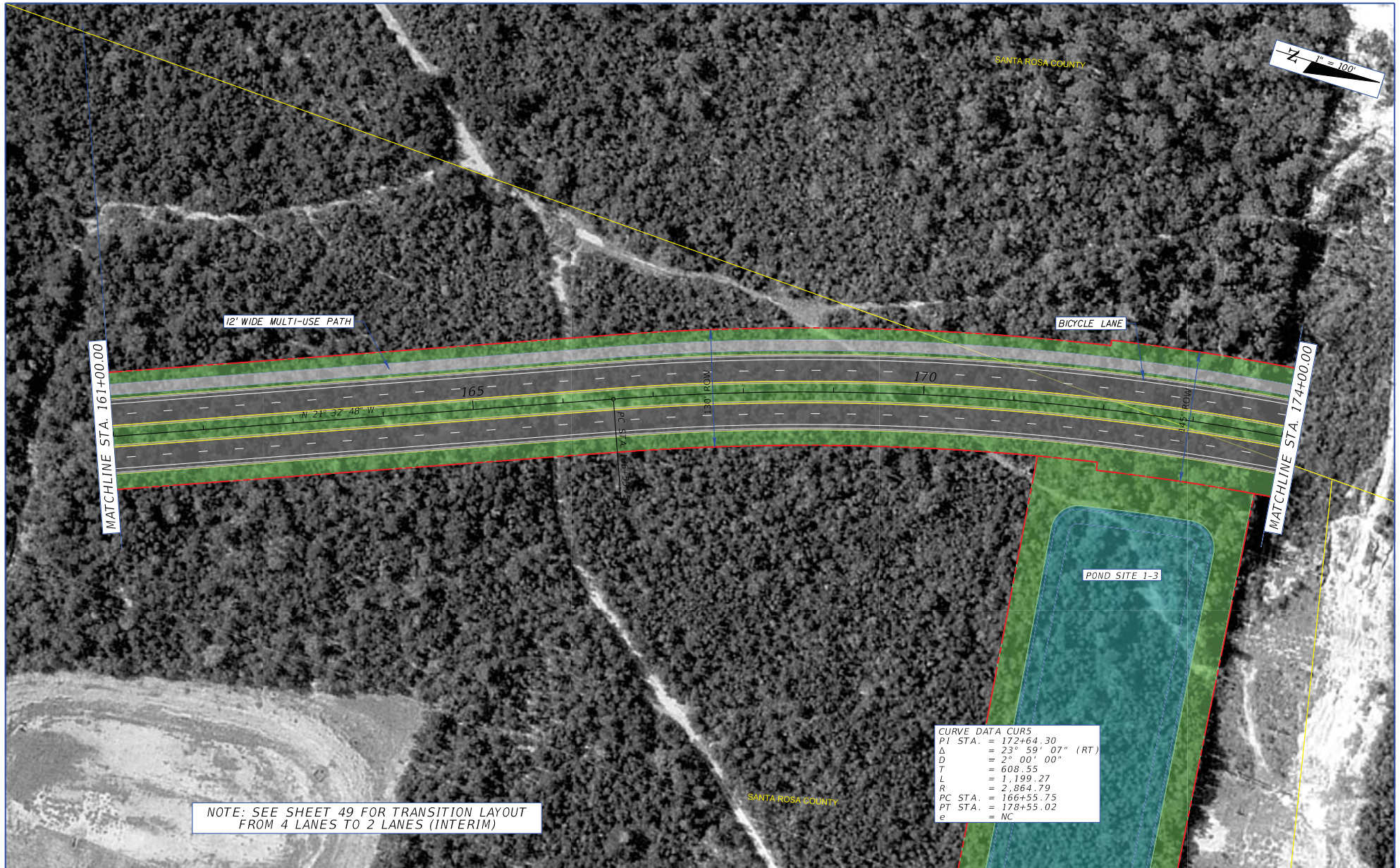
METRIC ENGINEERING, INC.
2616 JENKS AVENUE
PANAMA CITY, FLORIDA 32405
TEL. (850) 872-8044
FAX. (850) 872-8704
FLORIDA CERT. NO. EB-0002294

- ENGINEERS
- PLANNERS
- SURVEYORS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

**PLAN SHEET
ALIGNMENT 1**

SHEET
NO.
13



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

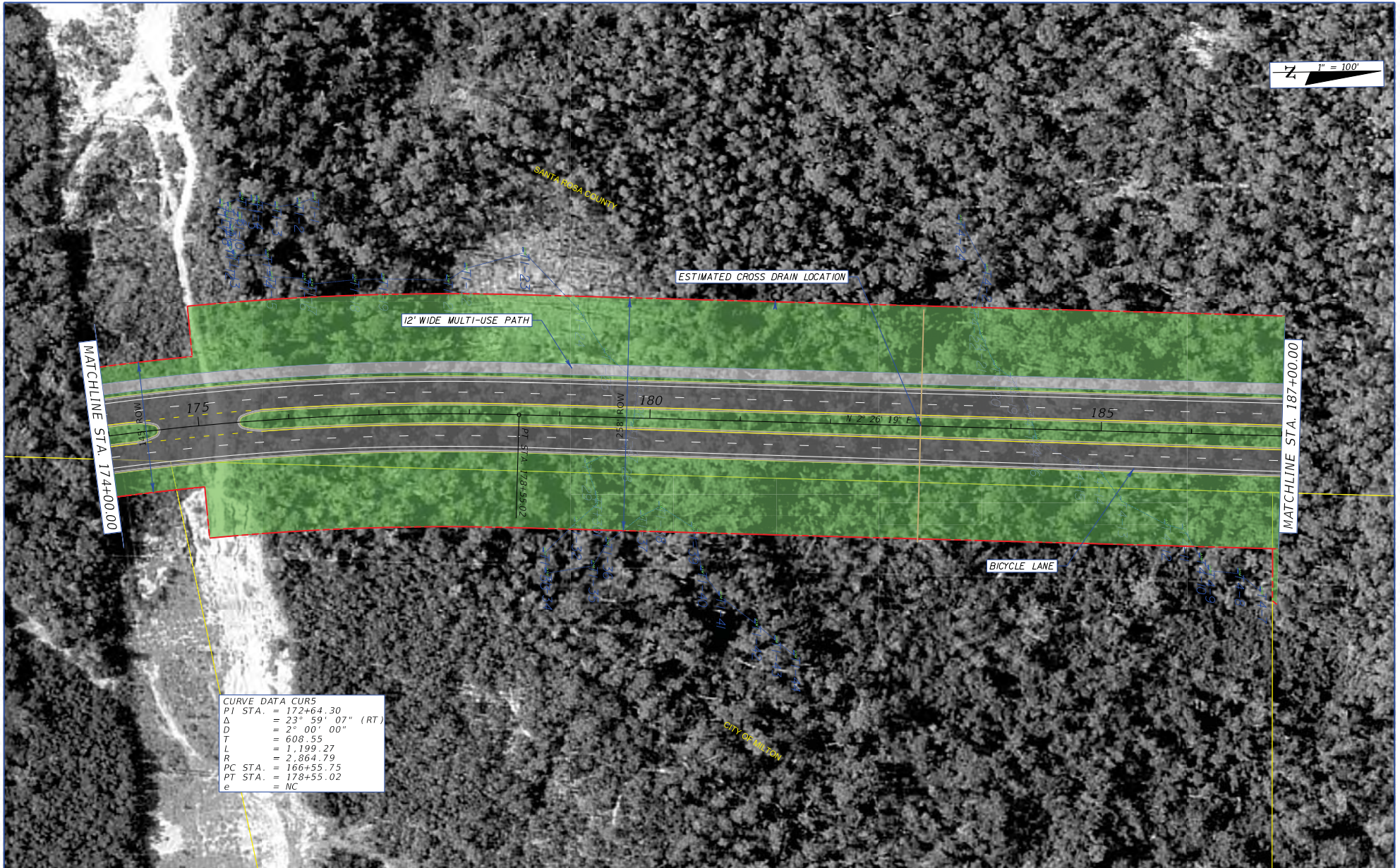
METRIC ENGINEERING, INC.
 2616 JENKS AVENUE
 PANAMA CITY, FLORIDA 32405
 TEL. (850) 872-8044
 FAX. (850) 872-8704
 FLORIDA CERT. NO. EB-0002294


• ENGINEERS
 • PLANNERS
 • SURVEYORS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

**PLAN SHEET
ALIGNMENT 1**

SHEET NO.
14



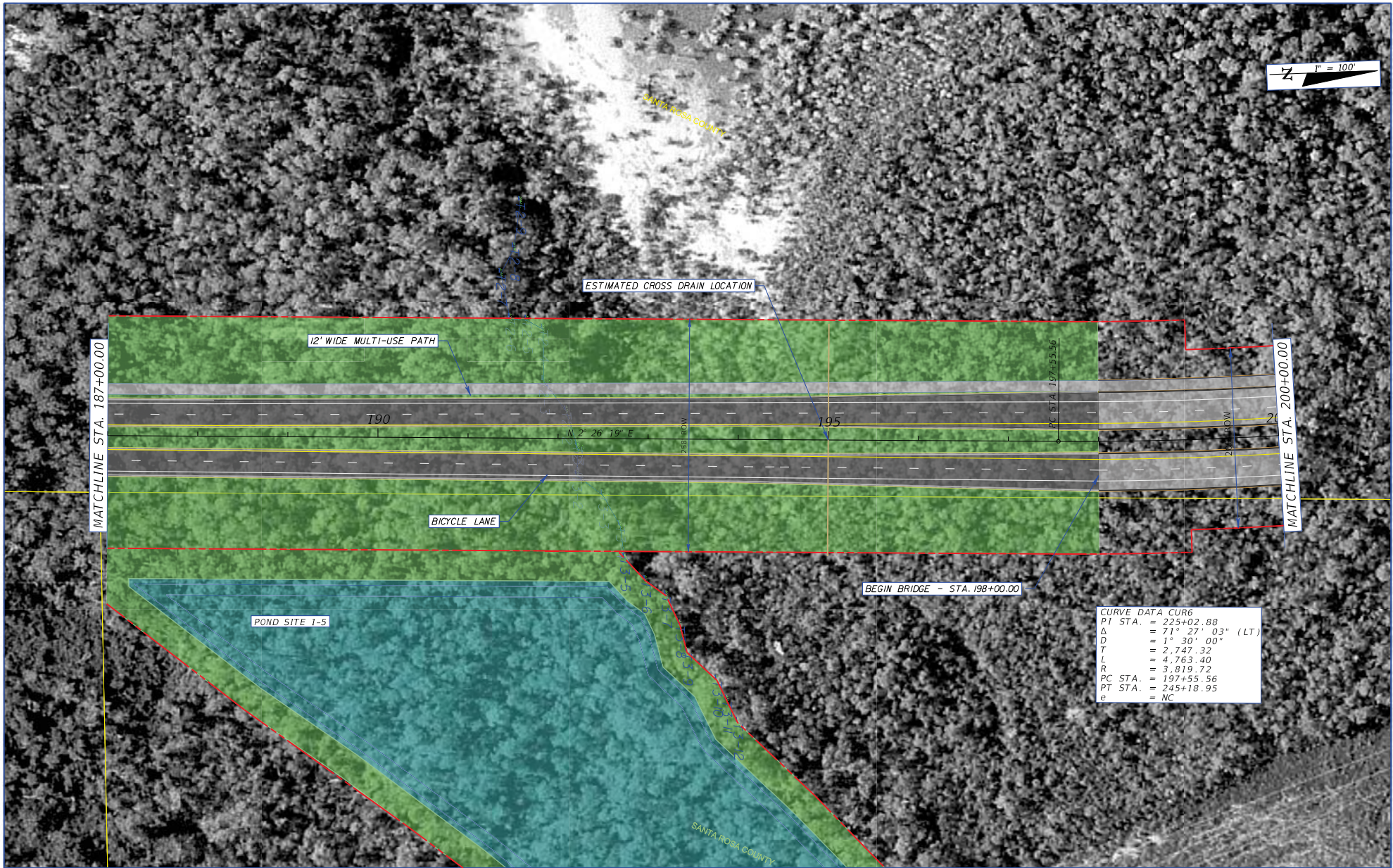
REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 15
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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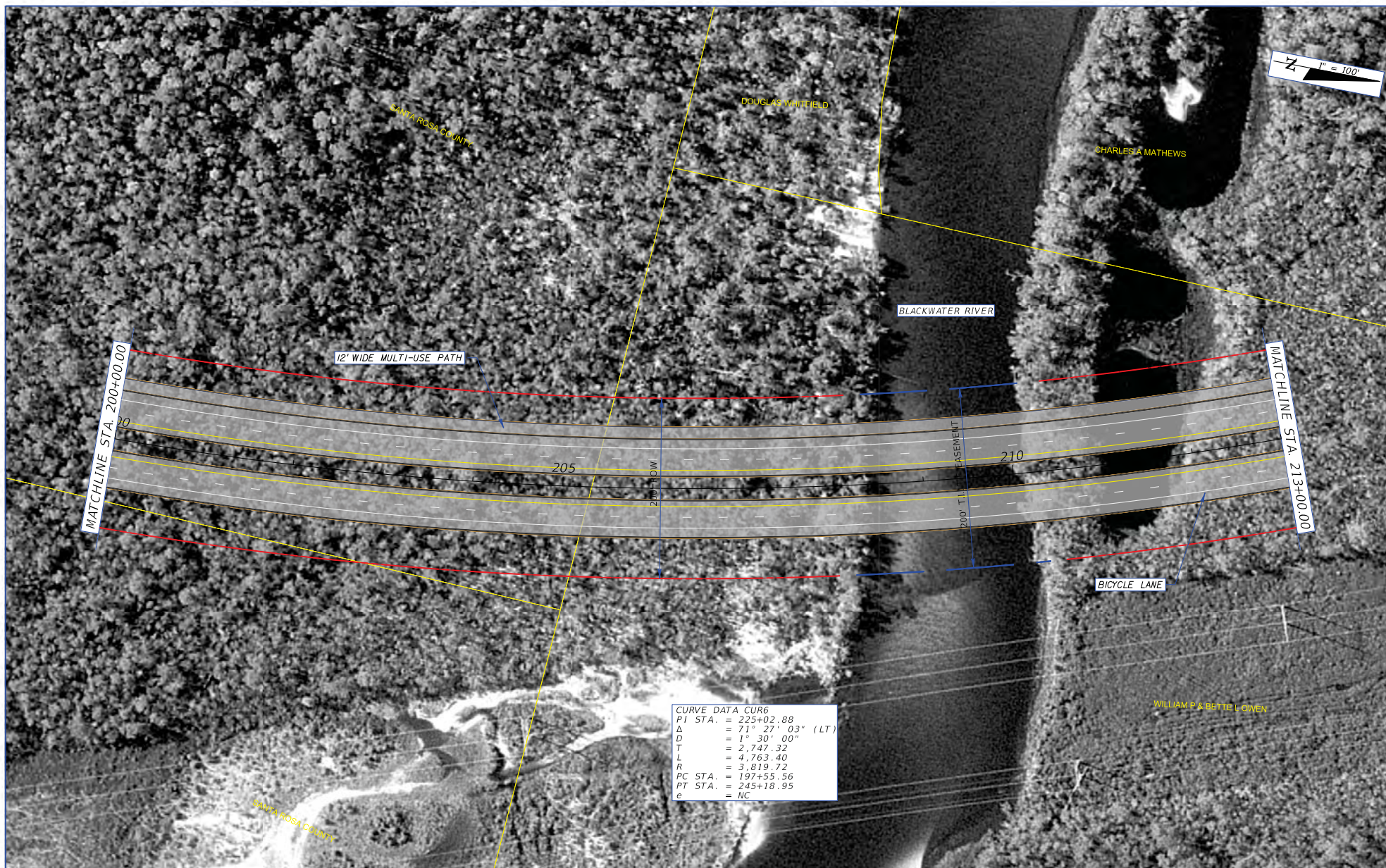
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D	= 1° 30' 00"
T	= 2,747.32
L	= 4,763.40
R	= 3,819.72
PC STA.	= 197+55.56
PT STA.	= 245+18.95
e	= NC

REVISIONS				 ● ENGINEERS ● PLANNERS ● SURVEYORS	METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 16
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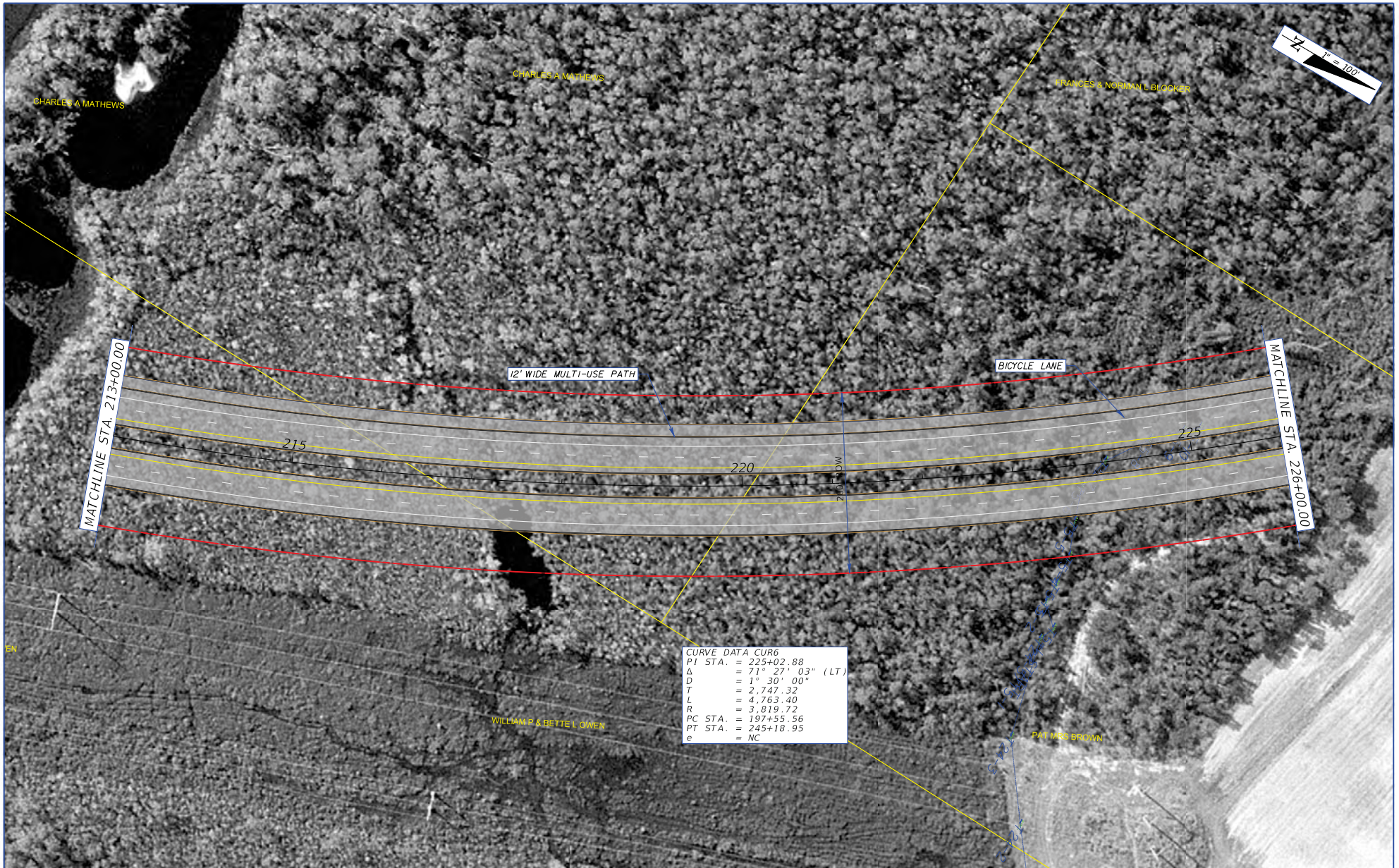
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 18
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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CURVE DATA CUR6	
PI STA.	= 225+02.88
Δ	= 71° 27' 03" (LT)
D	= 1° 30' 00"
T	= 2,747.32
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R	= 3,819.72
PC STA.	= 197+55.56
PT STA.	= 245+18.95
e	= NC

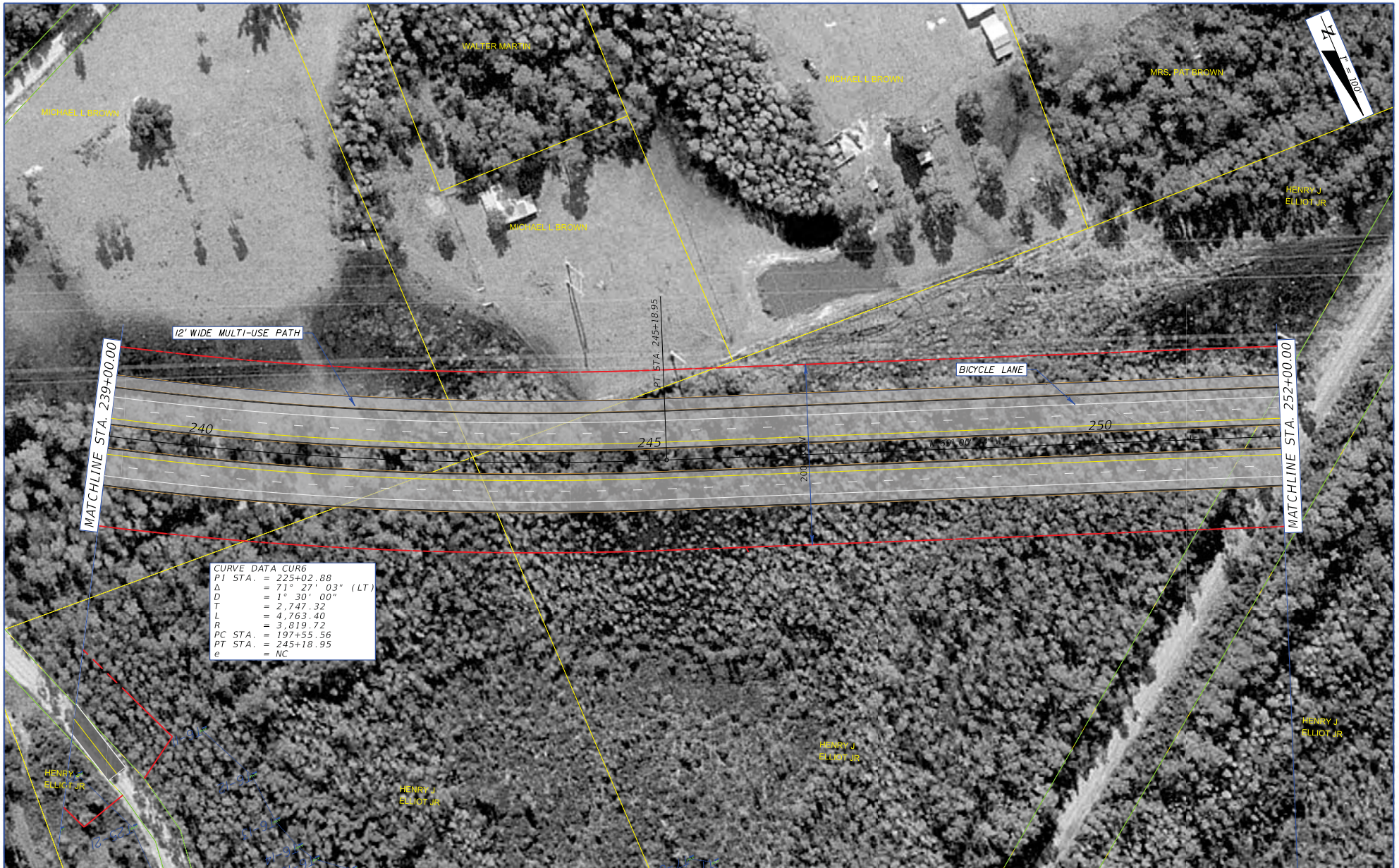
REVISIONS				 <p>METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294</p>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<p>PLAN SHEET ALIGNMENT 1</p>	<p>SHEET NO. 19</p>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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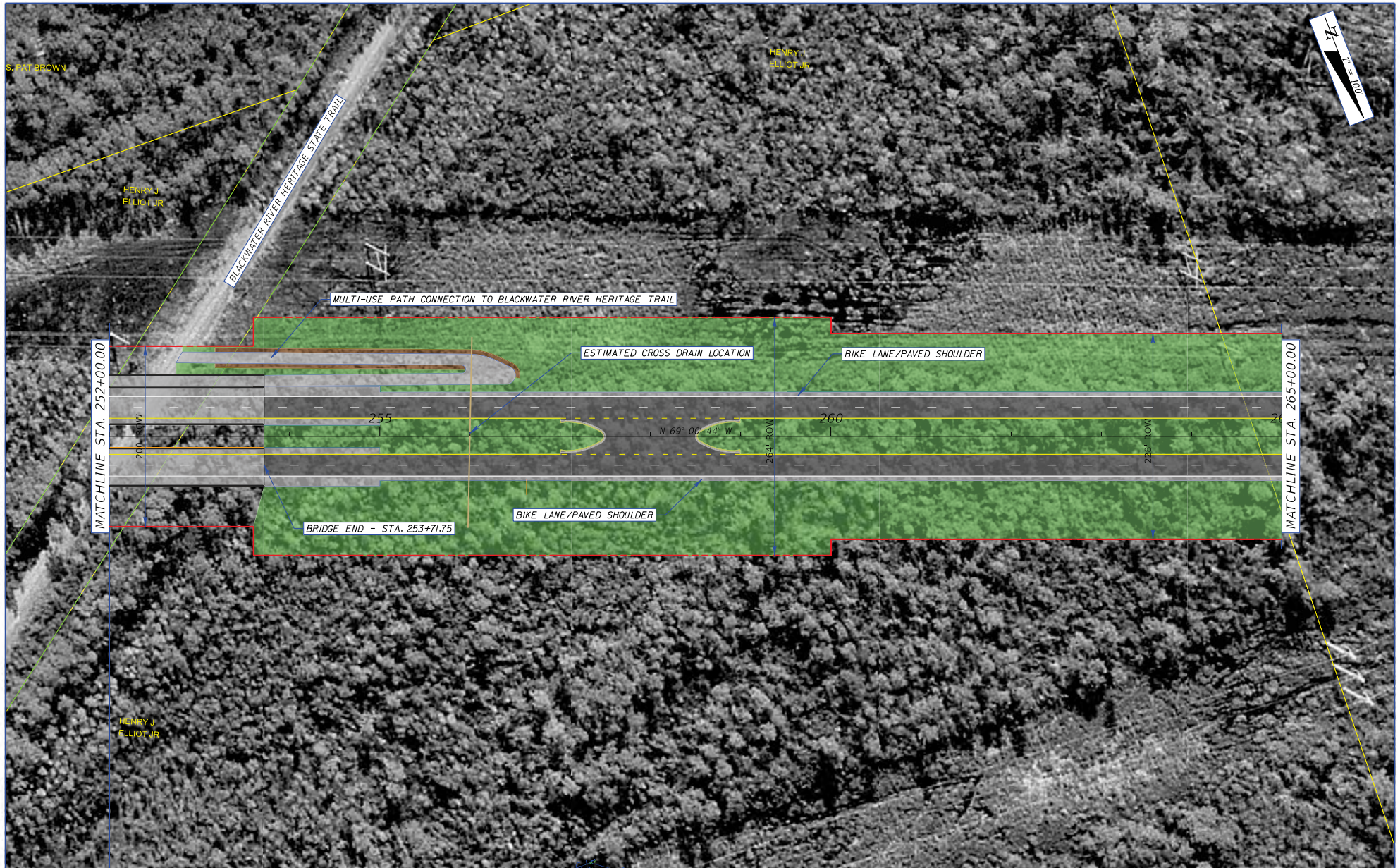
REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET	SHEET NO. 20
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 21
DATE	DESCRIPTION	DATE	DESCRIPTION					
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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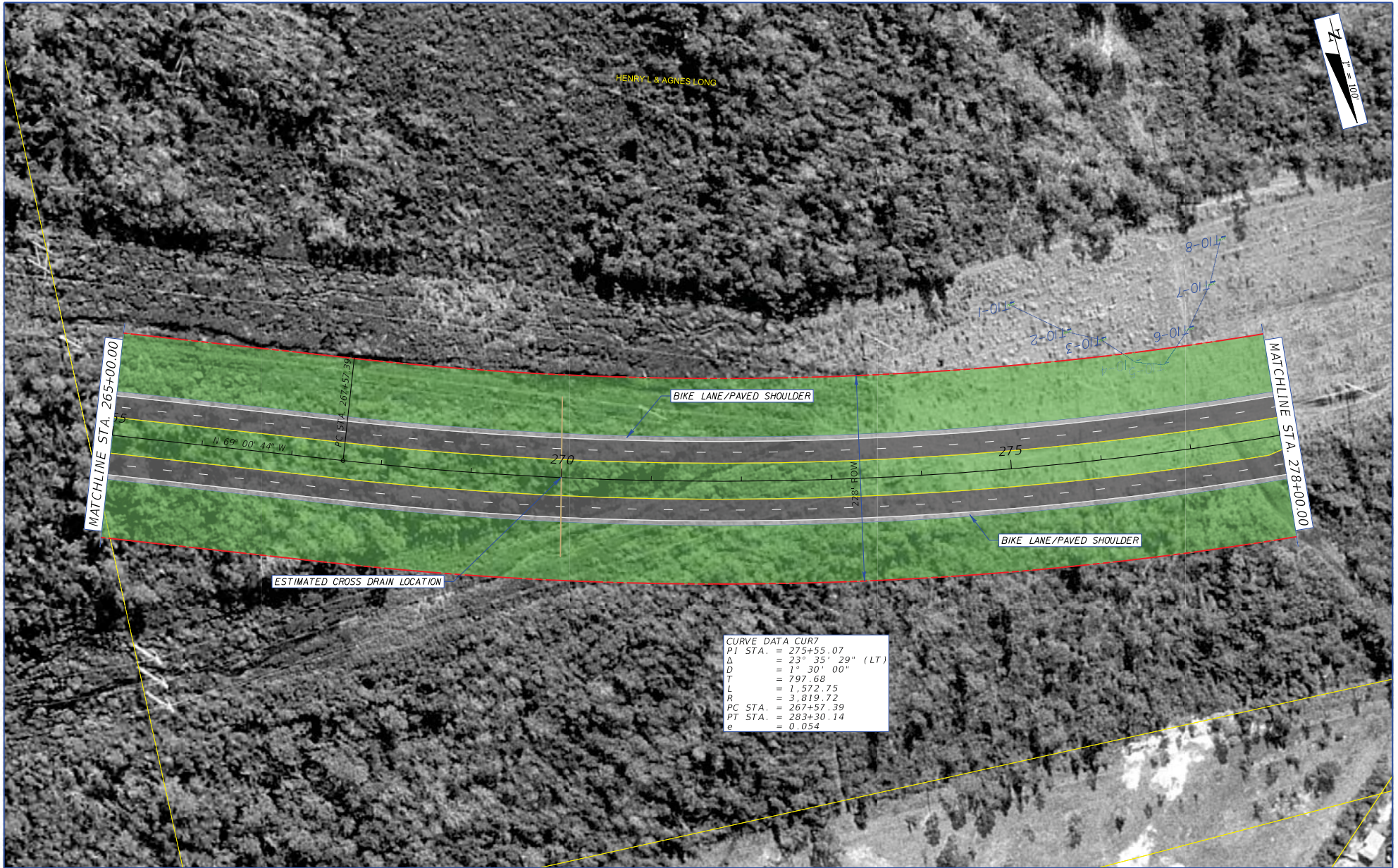
METRIC ENGINEERING, INC.
 2616 JENKS AVENUE
 PANAMA CITY, FLORIDA 32405
 TEL. (850) 872-8044
 FAX. (850) 872-8704
 FLORIDA CERT. NO. EB-0002294

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HENRY & AGNES LONG



MATCHLINE STA. 265+00.00

MATCHLINE STA. 278+00.00

BIKE LANE/PAVED SHOULDER

BIKE LANE/PAVED SHOULDER

ESTIMATED CROSS DRAIN LOCATION

CURVE DATA CUR7	
PI STA.	= 275+55.07
Δ	= 23° 35' 29" (LT)
D	= 1° 30' 00"
T	= 797.68
L	= 1,572.75
R	= 3,819.72
PC STA.	= 267+57.39
PT STA.	= 283+30.14
e	= 0.054

REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		

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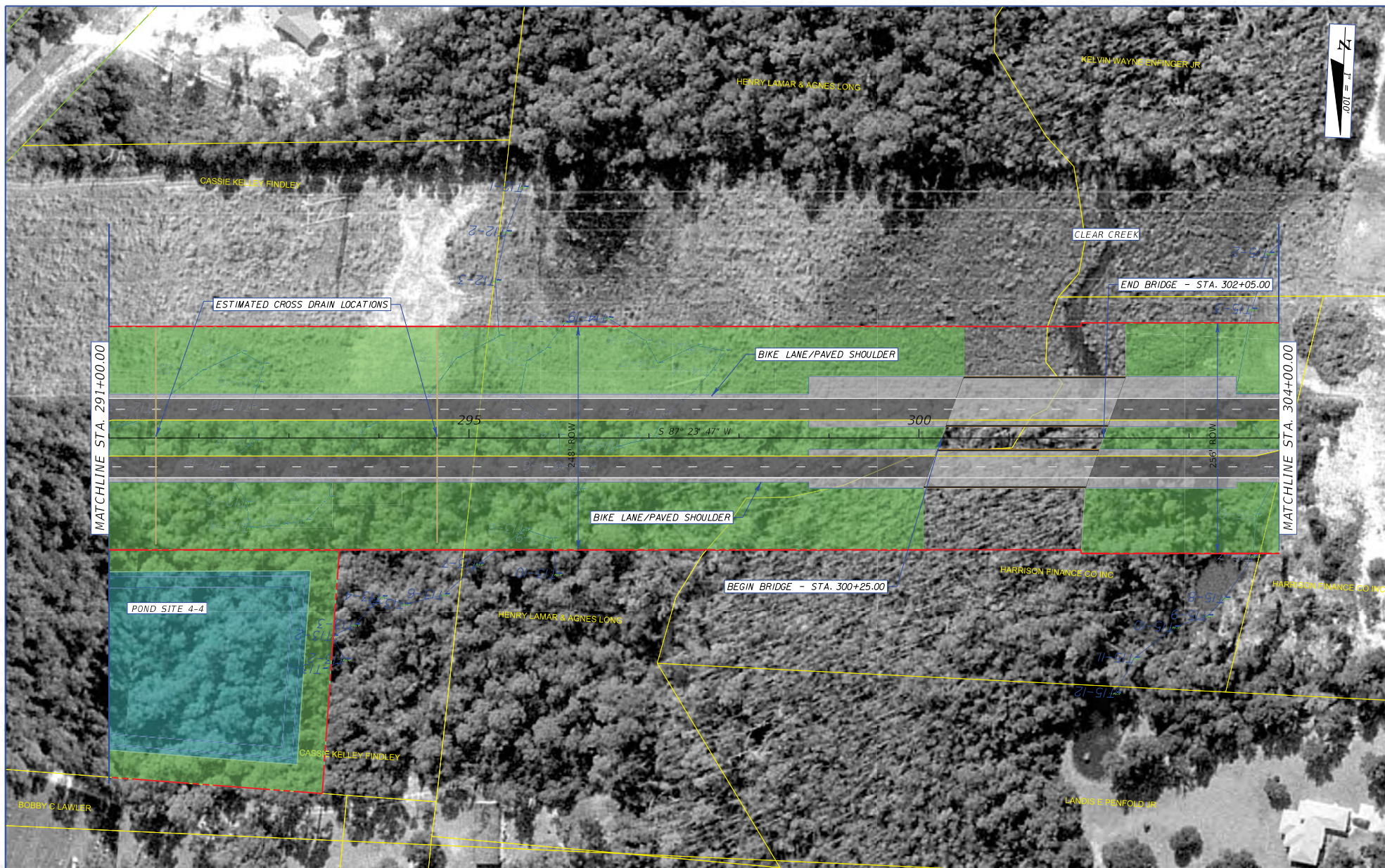
REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 23
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				 • ENGINEERS • PLANNERS • SURVEYORS	SR 87	SANTA ROSA	416748-3-22-01, ETC.		

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REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 24
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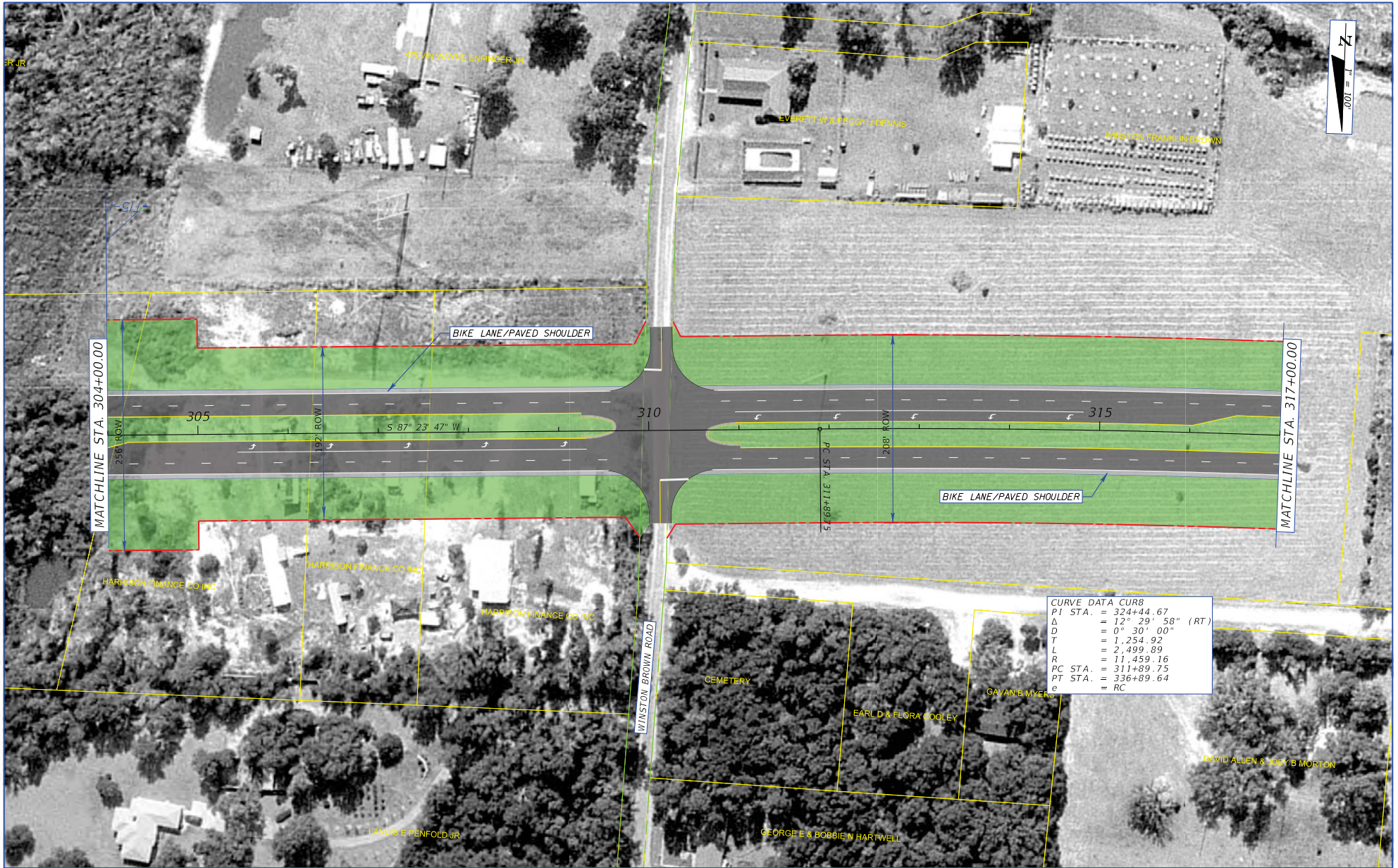
- ENGINEERS
- PLANNERS
- SURVEYORS

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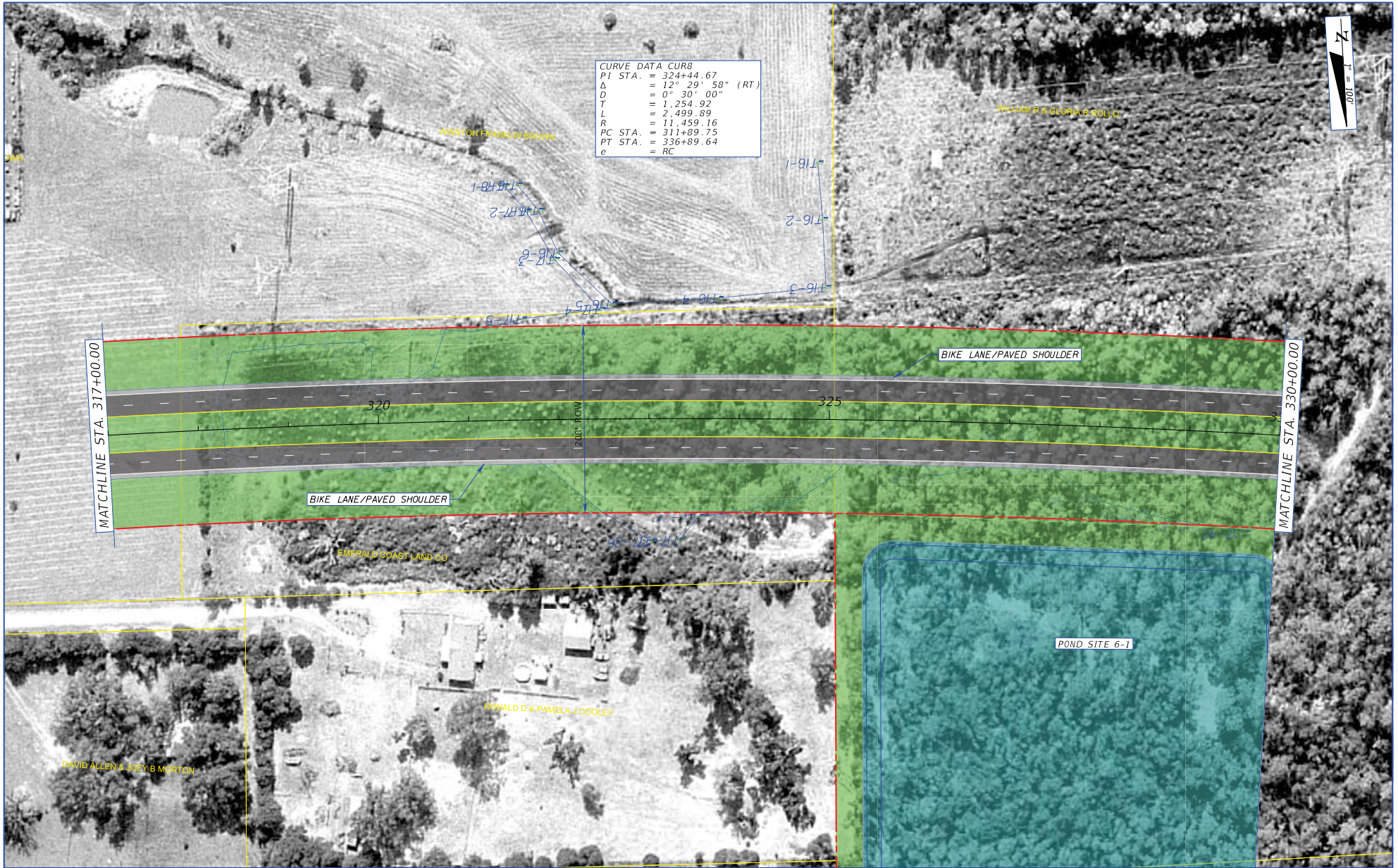
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D	= 0° 30' 00"
T	= 1,254.92
L	= 2,499.89
R	= 11,459.16
PC STA.	= 311+89.75
PT STA.	= 336+89.64
e	= RC

REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 25
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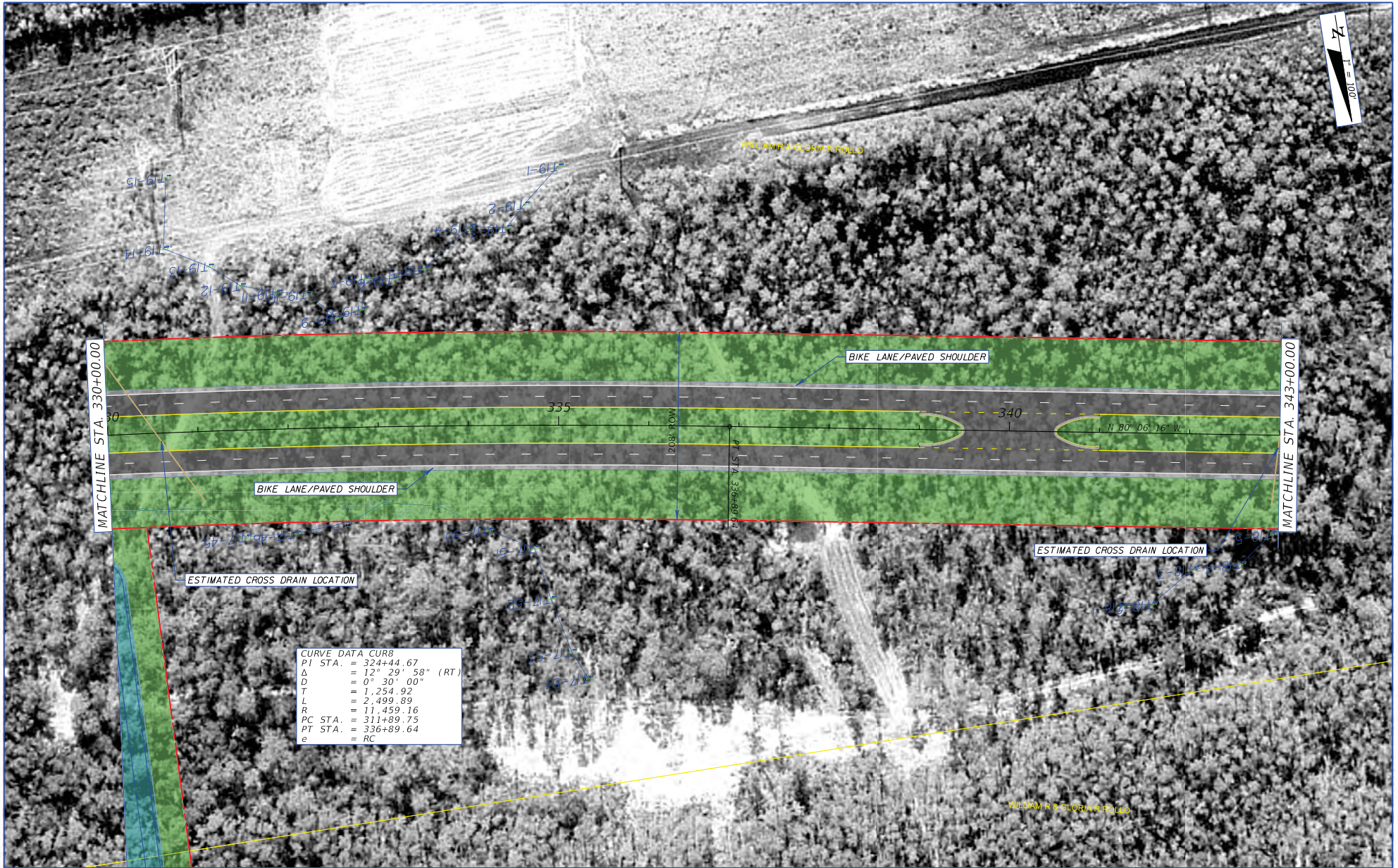
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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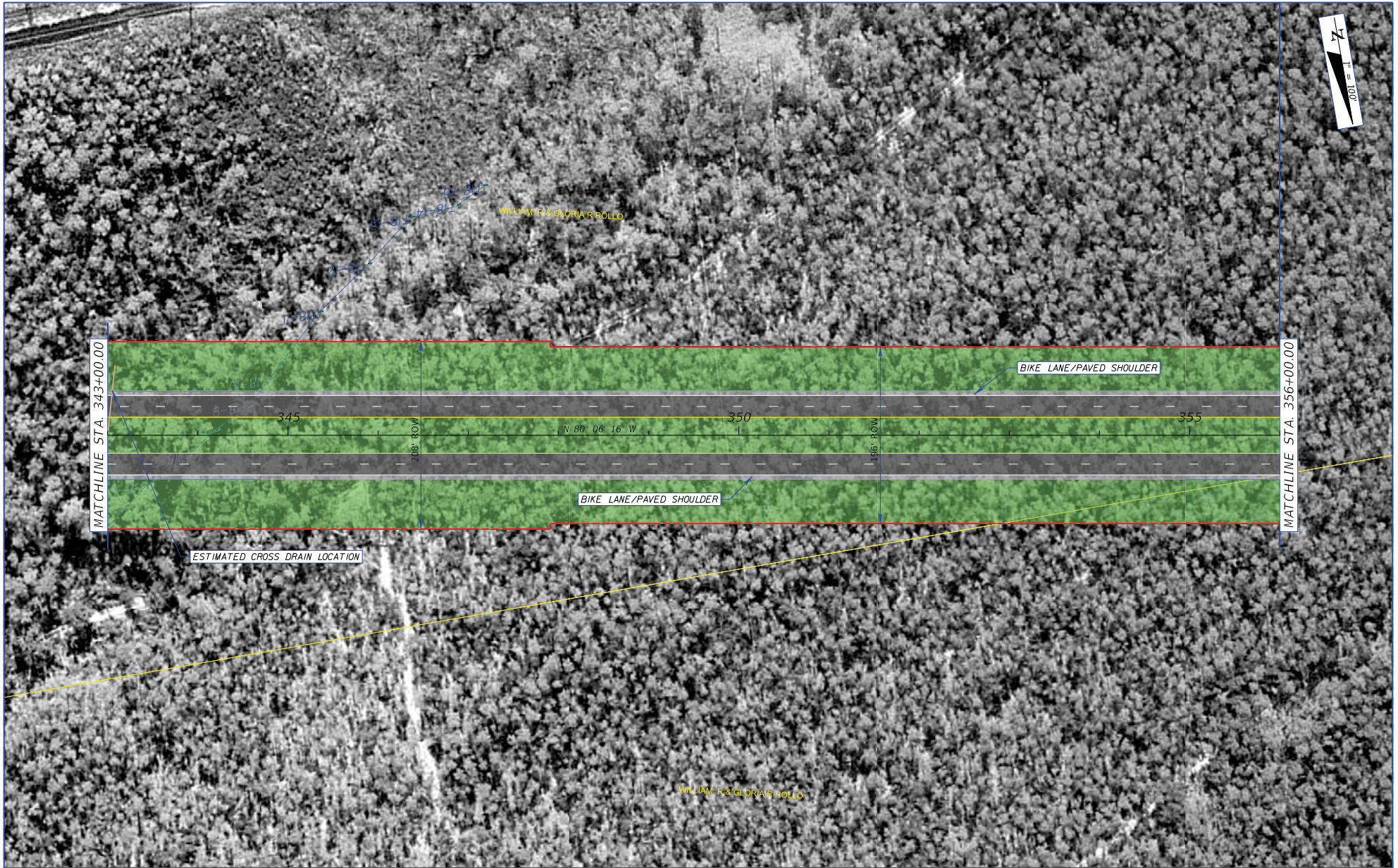
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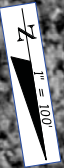
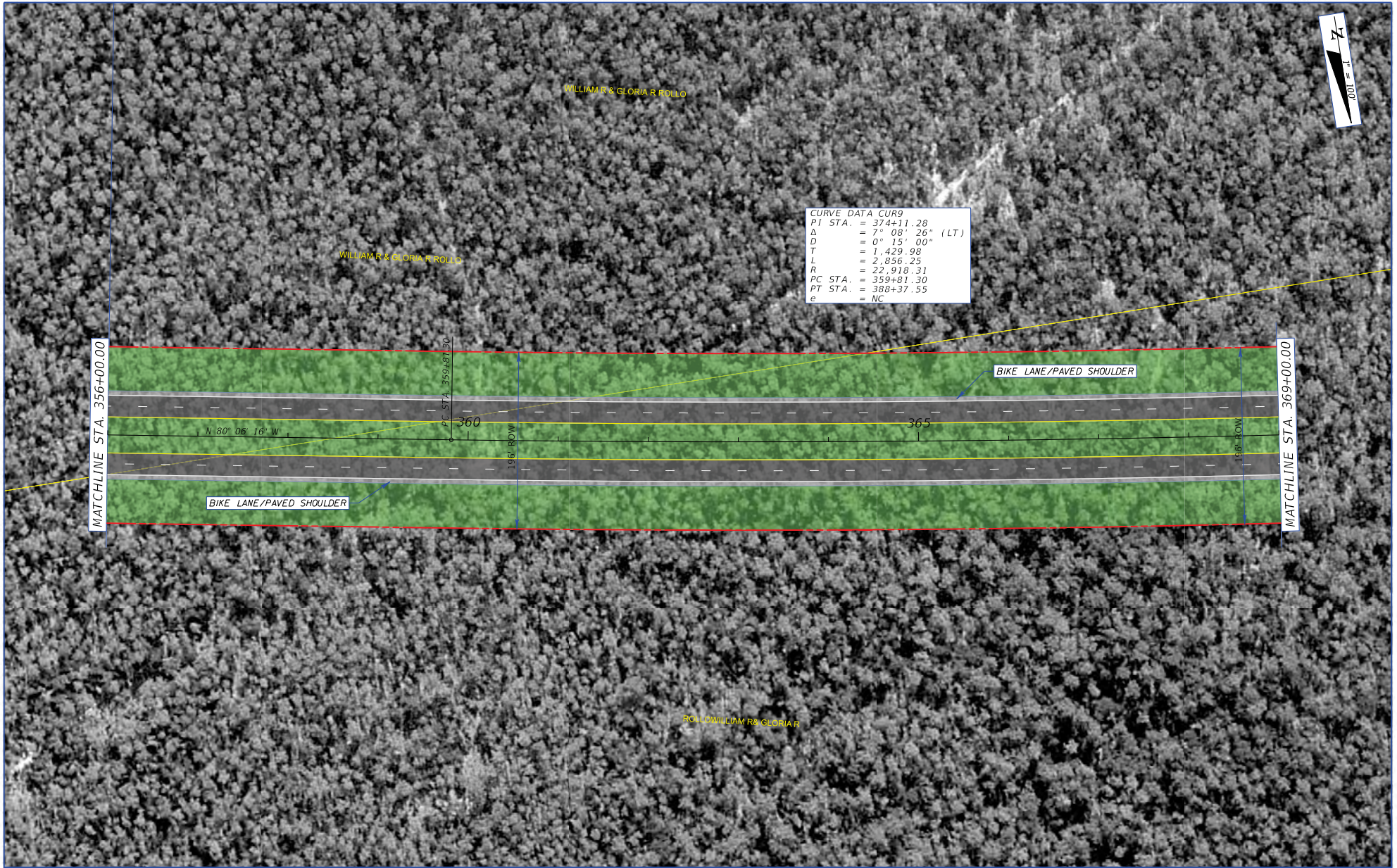
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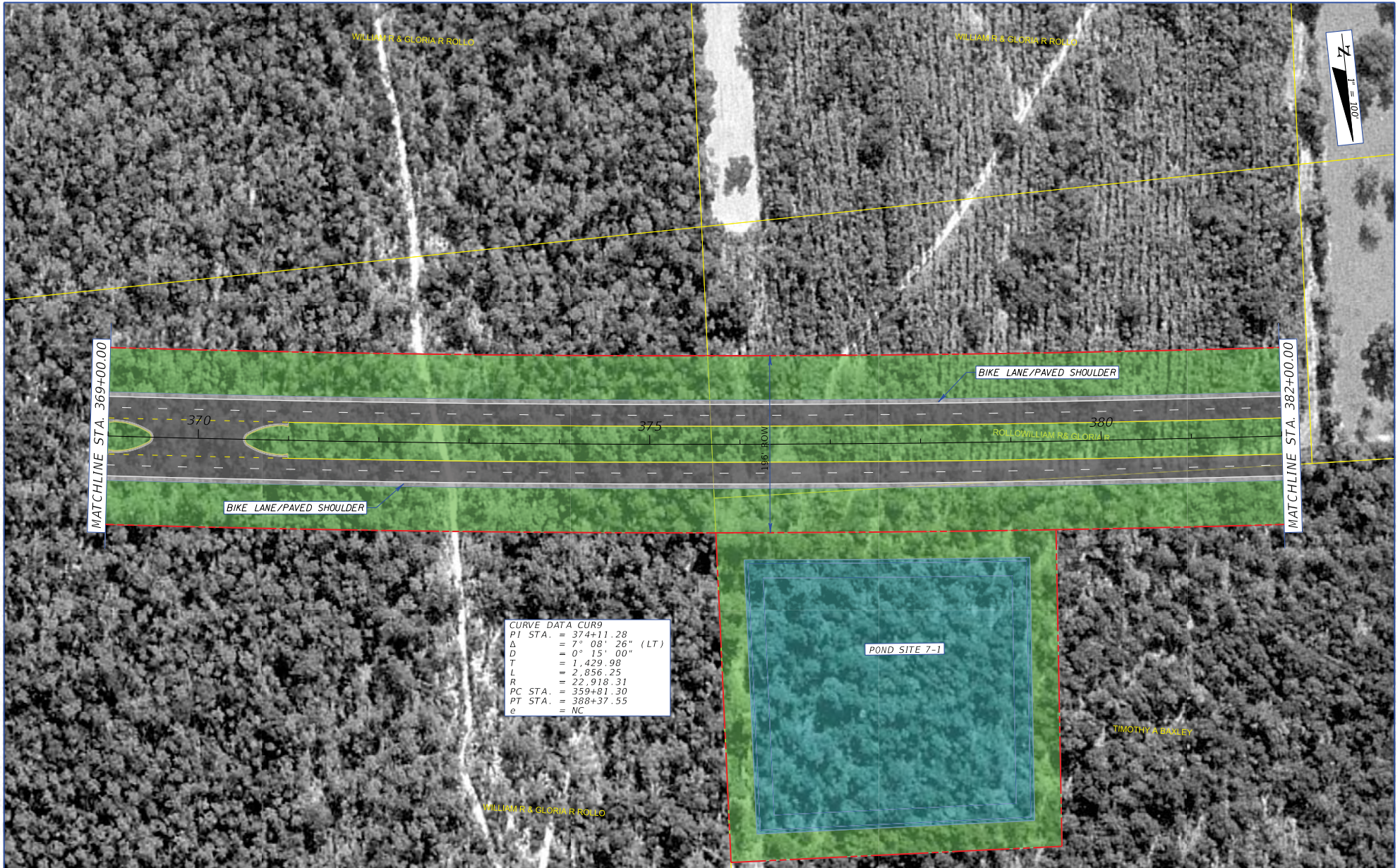
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REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 28
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 29
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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PI STA.	= 374+11.28
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D	= 0° 15' 00"
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L	= 2,856.25
R	= 22,918.31
PC STA.	= 359+81.30
PT STA.	= 388+37.55
e	= NC

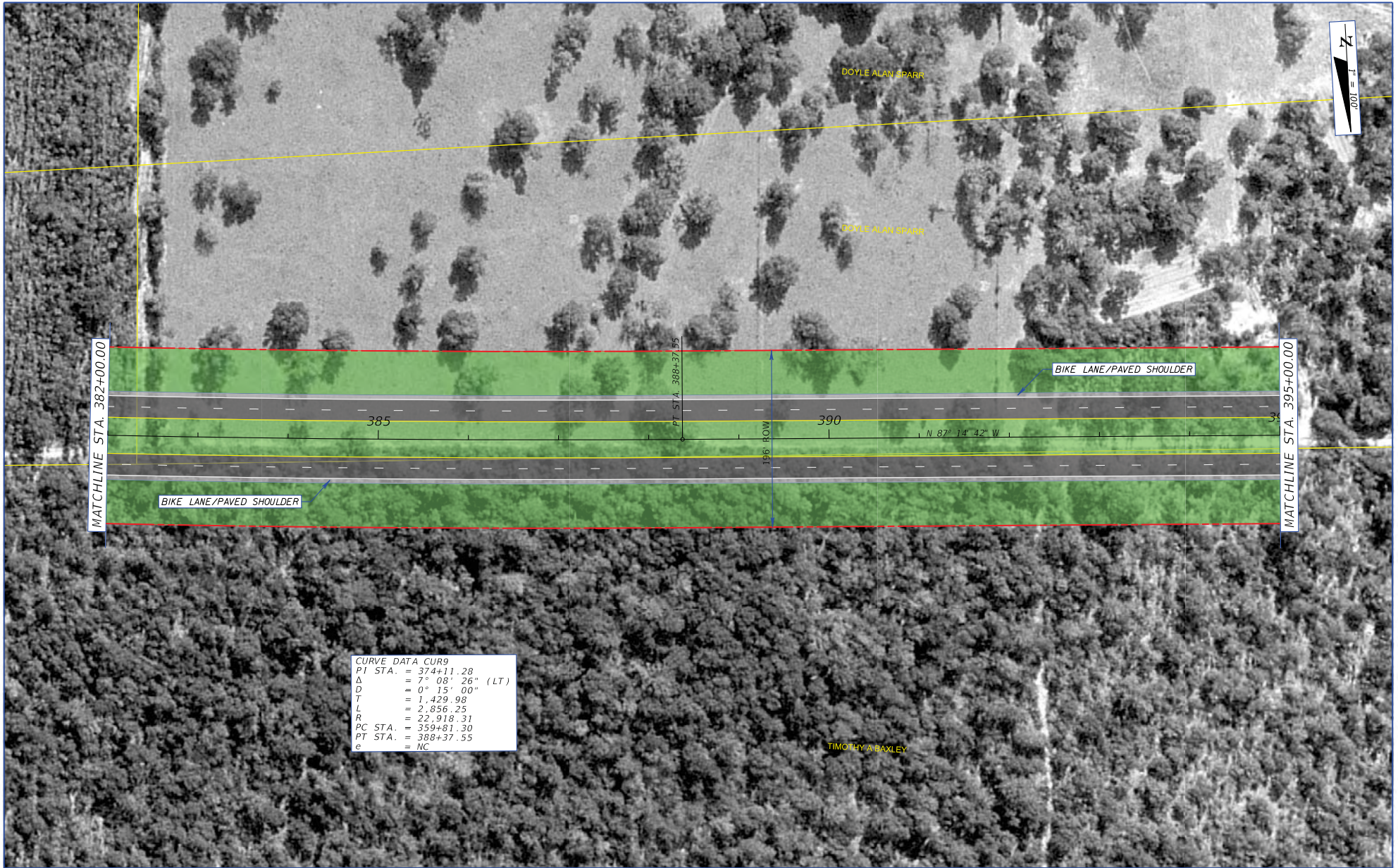
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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 PC STA. = 359+81.30
 PT STA. = 388+37.55
 e = NC

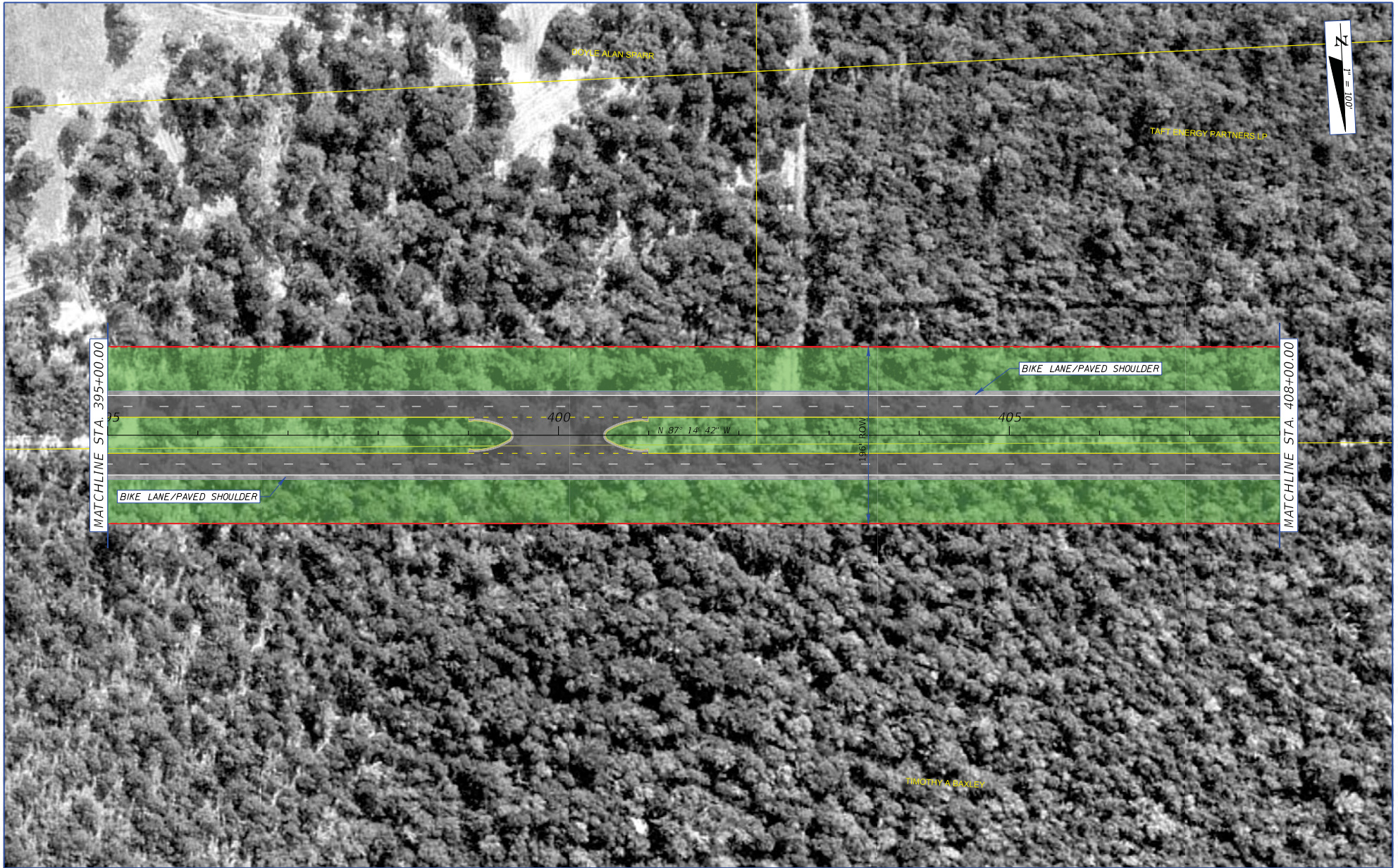
REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 31
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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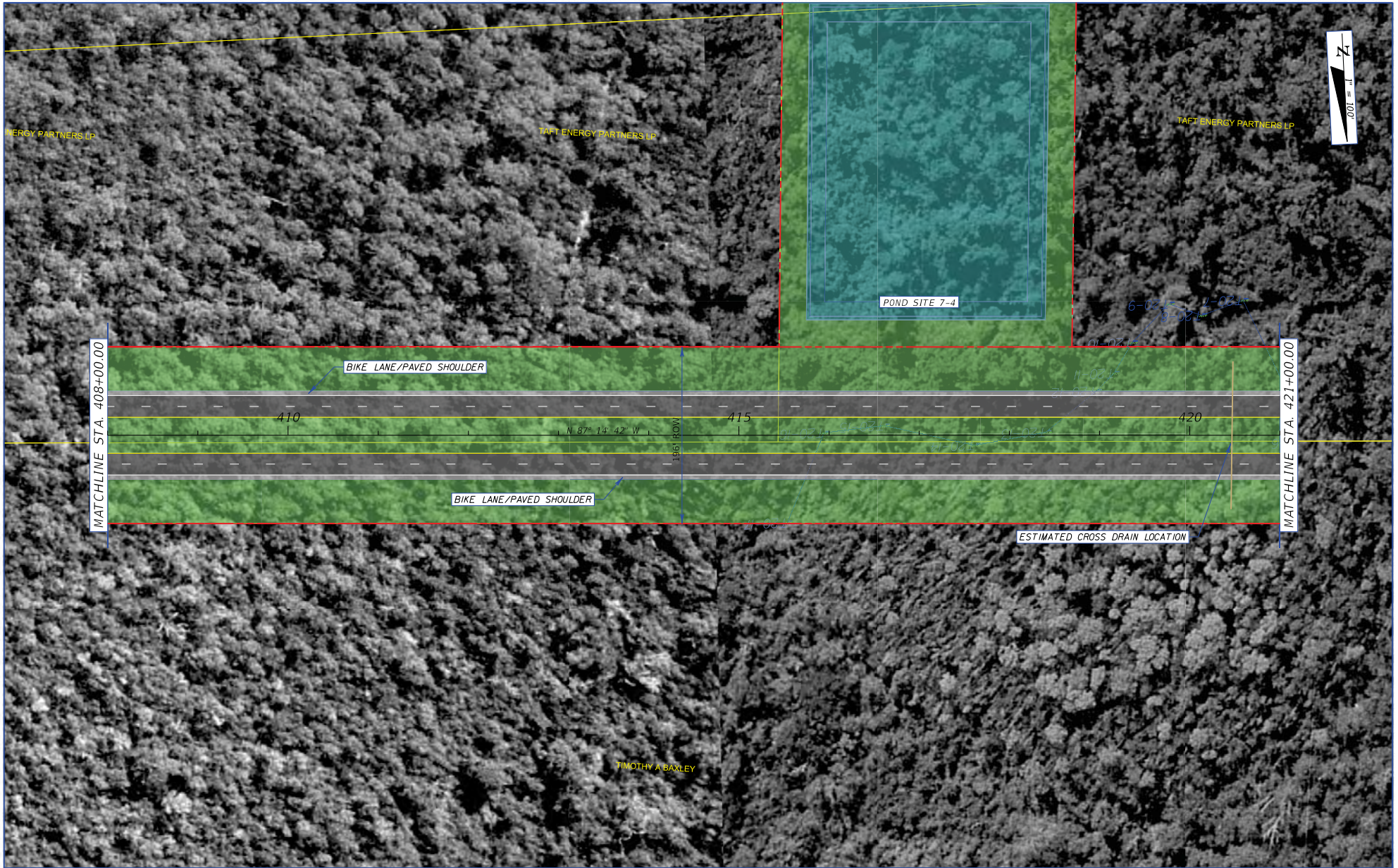
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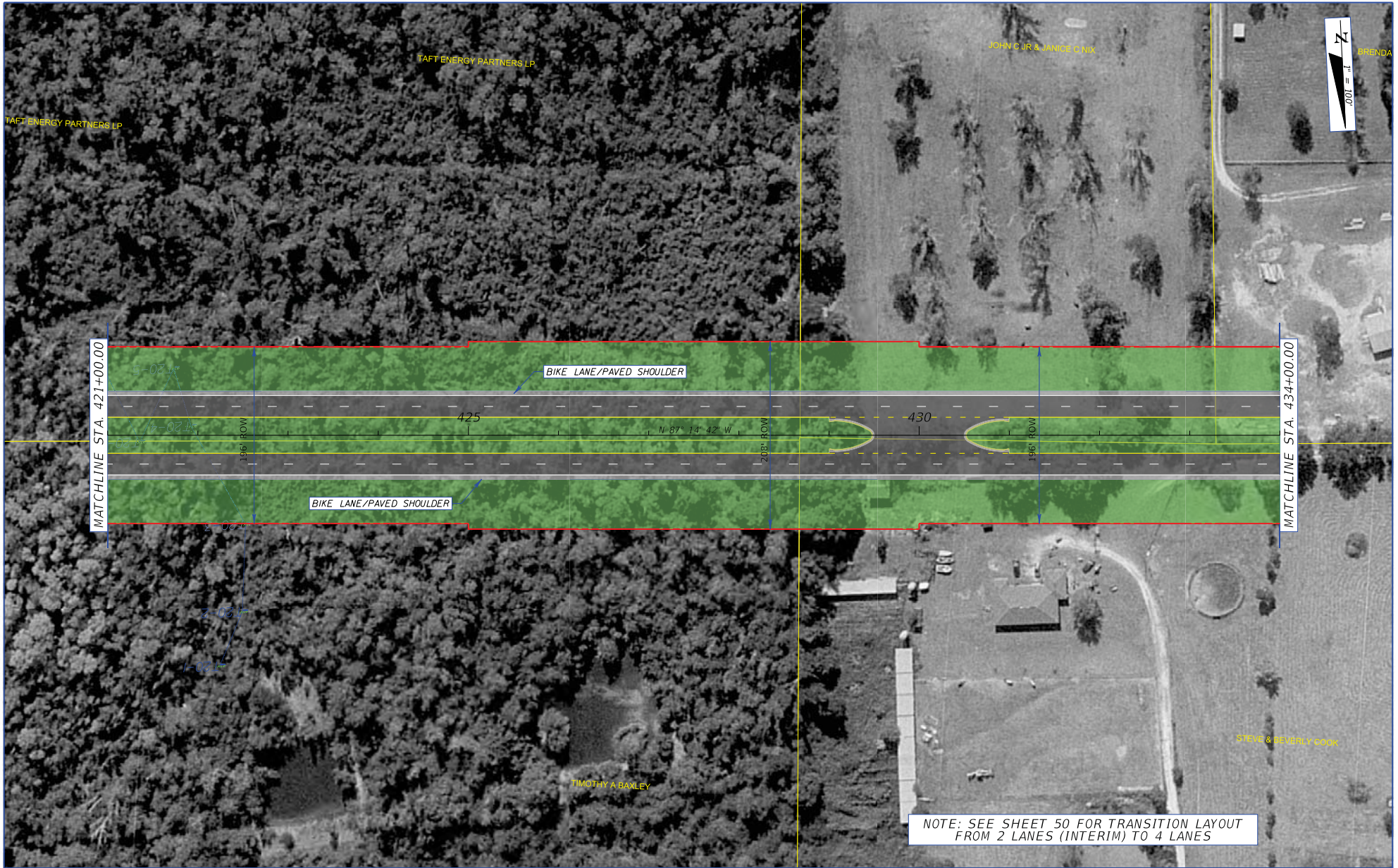
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REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 32
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS				<div><div><div>METRIC</div><div>ENGINEERING</div></div><div>● ENGINEERS ● PLANNERS ● SURVEYORS</div></div>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 33
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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NOTE: SEE SHEET 50 FOR TRANSITION LAYOUT
FROM 2 LANES (INTERIM) TO 4 LANES

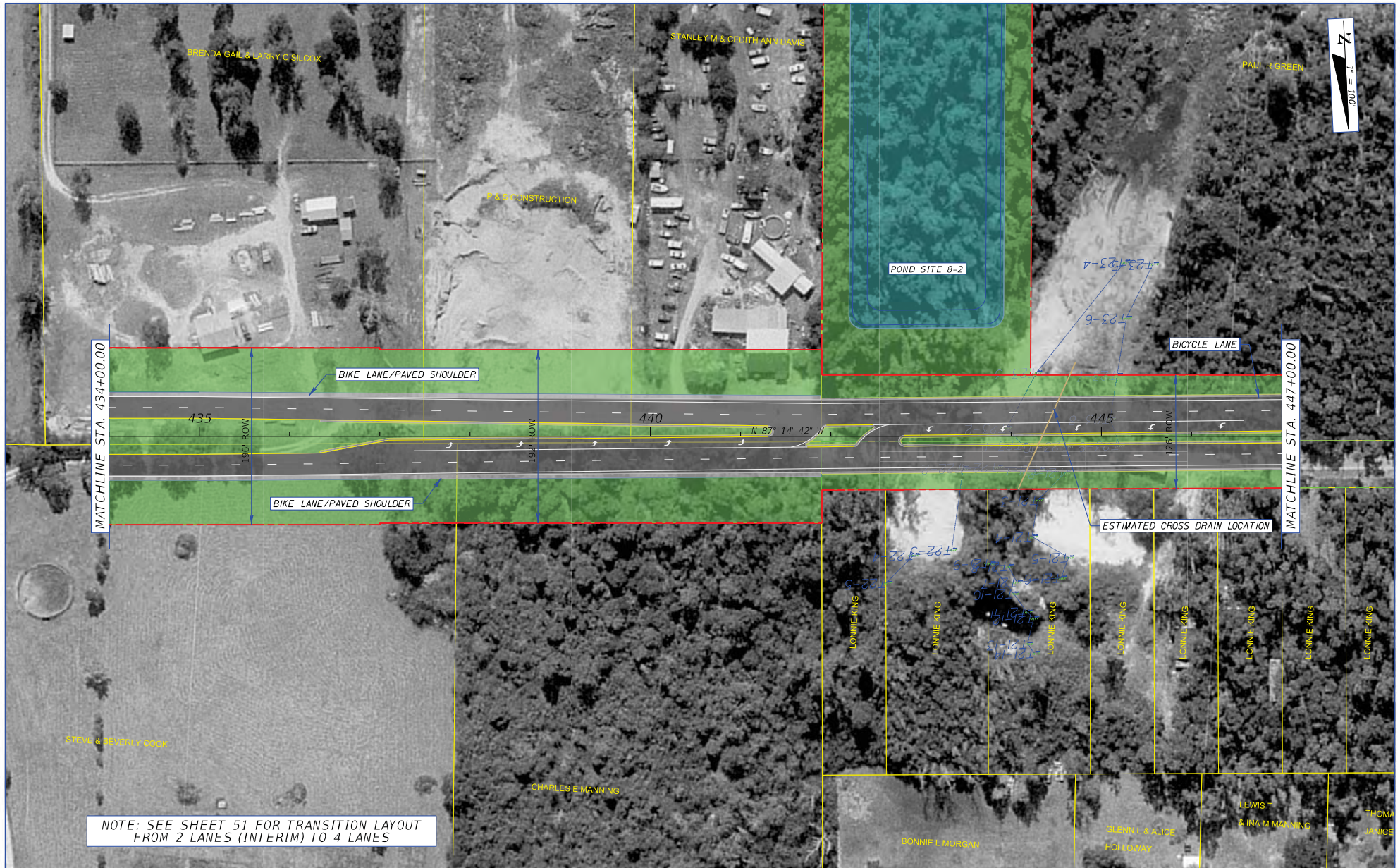
REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 34
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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NOTE: SEE SHEET 51 FOR TRANSITION LAYOUT FROM 2 LANES (INTERIM) TO 4 LANES

REVISIONS				 <p> METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294 </p>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 35
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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- SURVEYORS

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REVISIONS				 ● ENGINEERS ● PLANNERS ● SURVEYORS	METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 36
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 37
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		



REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 38
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		

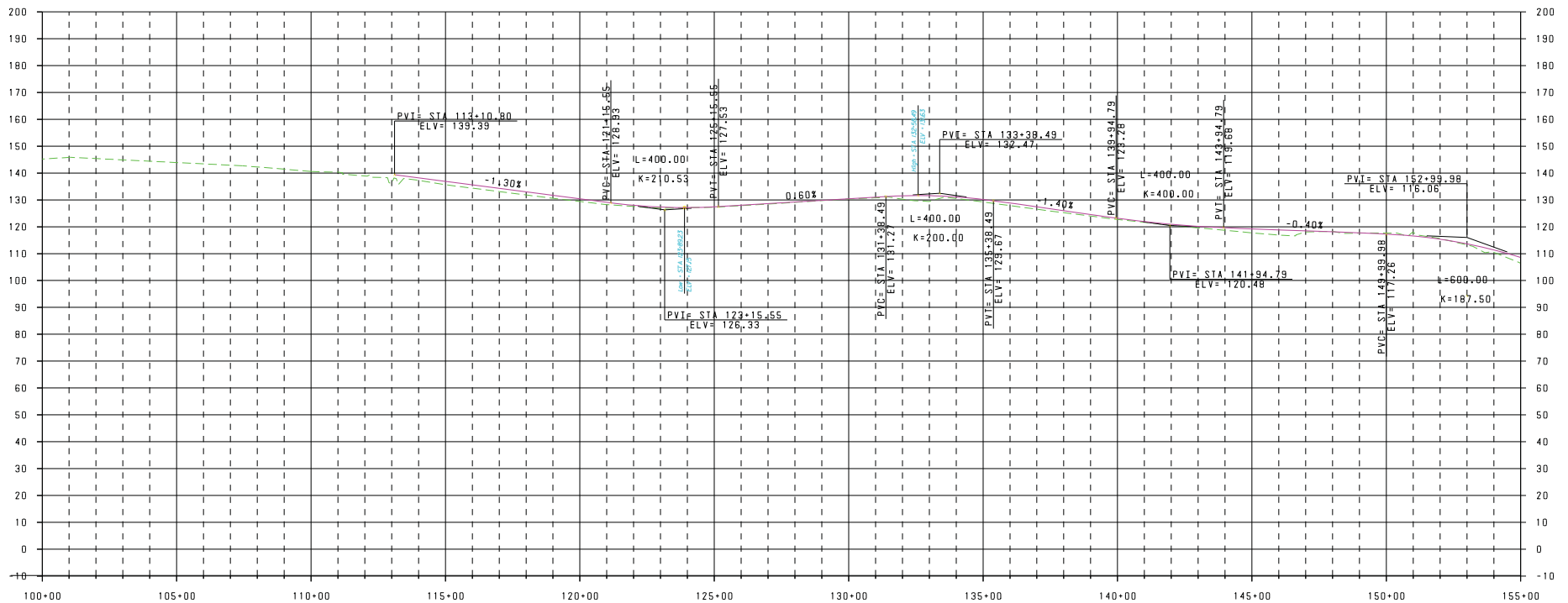


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D	= 7° 00' 00"
T	= 116.12
L	= 230.71
R	= 818.51
PC STA.	= 31+58.07
PT STA.	= 33+88.77
e	= RC

REVISIONS				 ● ENGINEERS ● PLANNERS ● SURVEYORS	METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 39
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 87	SANTA ROSA	416748-3-22-01, ETC.		



REVISIONS				 ● ENGINEERS ● PLANNERS ● SURVEYORS	METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET ALIGNMENT 1	SHEET NO. 40
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 87	SANTA ROSA	416748-3-22-01, ETC.		



--- EXISTING PROFILE
 --- WORKING MINIMUM PROFILE
 V: 1' = 40'
 H: 1' = 400'

REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET ALIGNMENT 1	SHEET NO. 41
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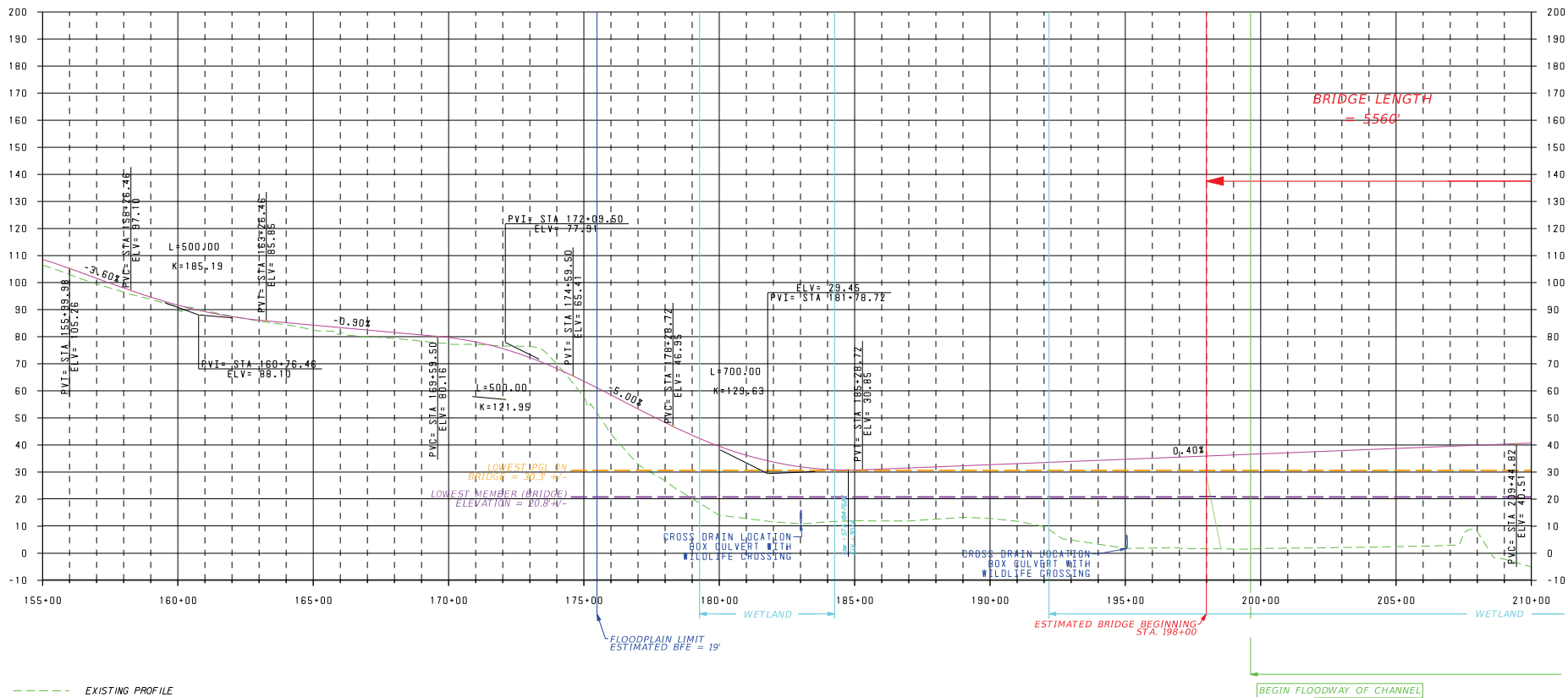
• ENGINEERS
 • PLANNERS
 • SURVEYORS

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• SURVEYORS

METRIC ENGINEERING, INC.
2616 JENKS AVENUE
PANAMA CITY, FLORIDA 32405
TEL (850) 872-8044
FAX (850) 872-8704
FLORIDA CERT. NO. EB-0002294

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416749-3-22-01, ETC.

PROFILE SHEET ALIGNMENT 1

SHEET
NO.

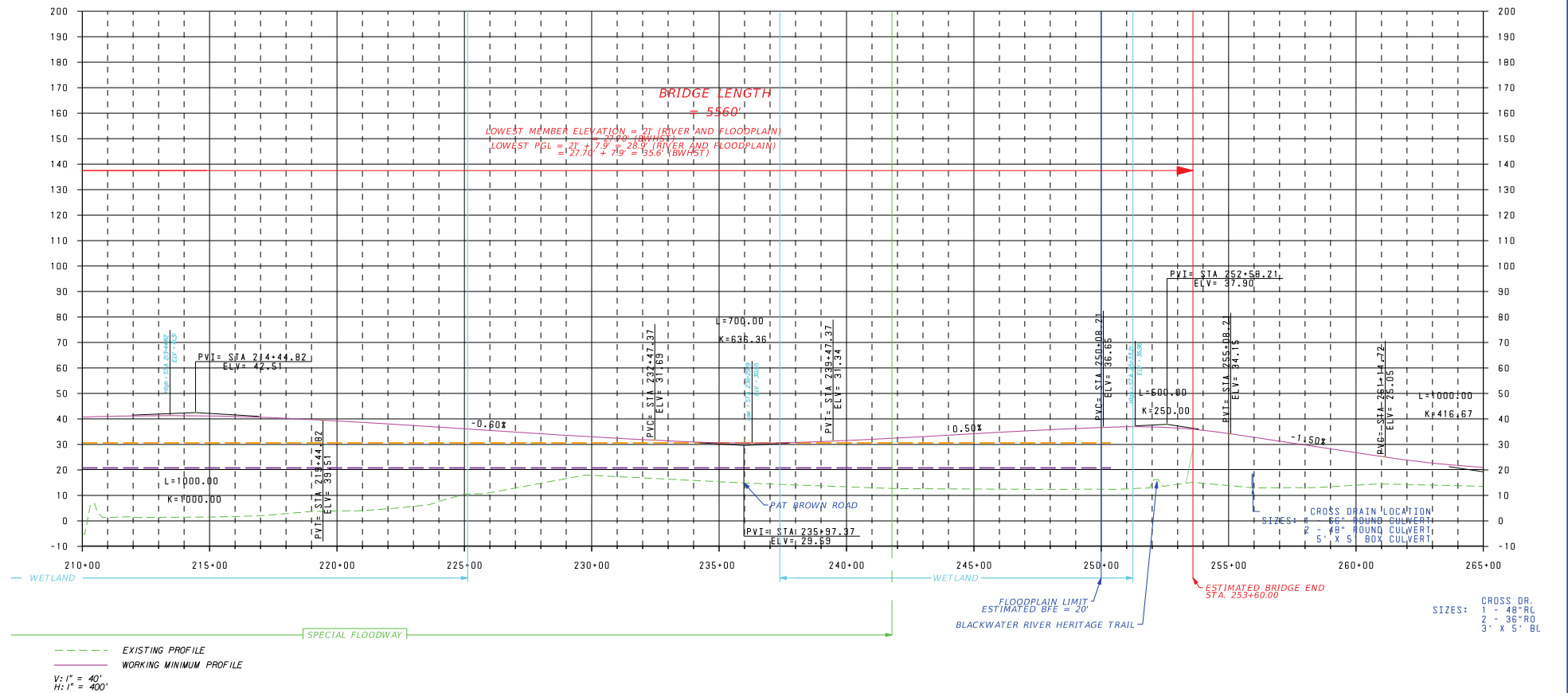
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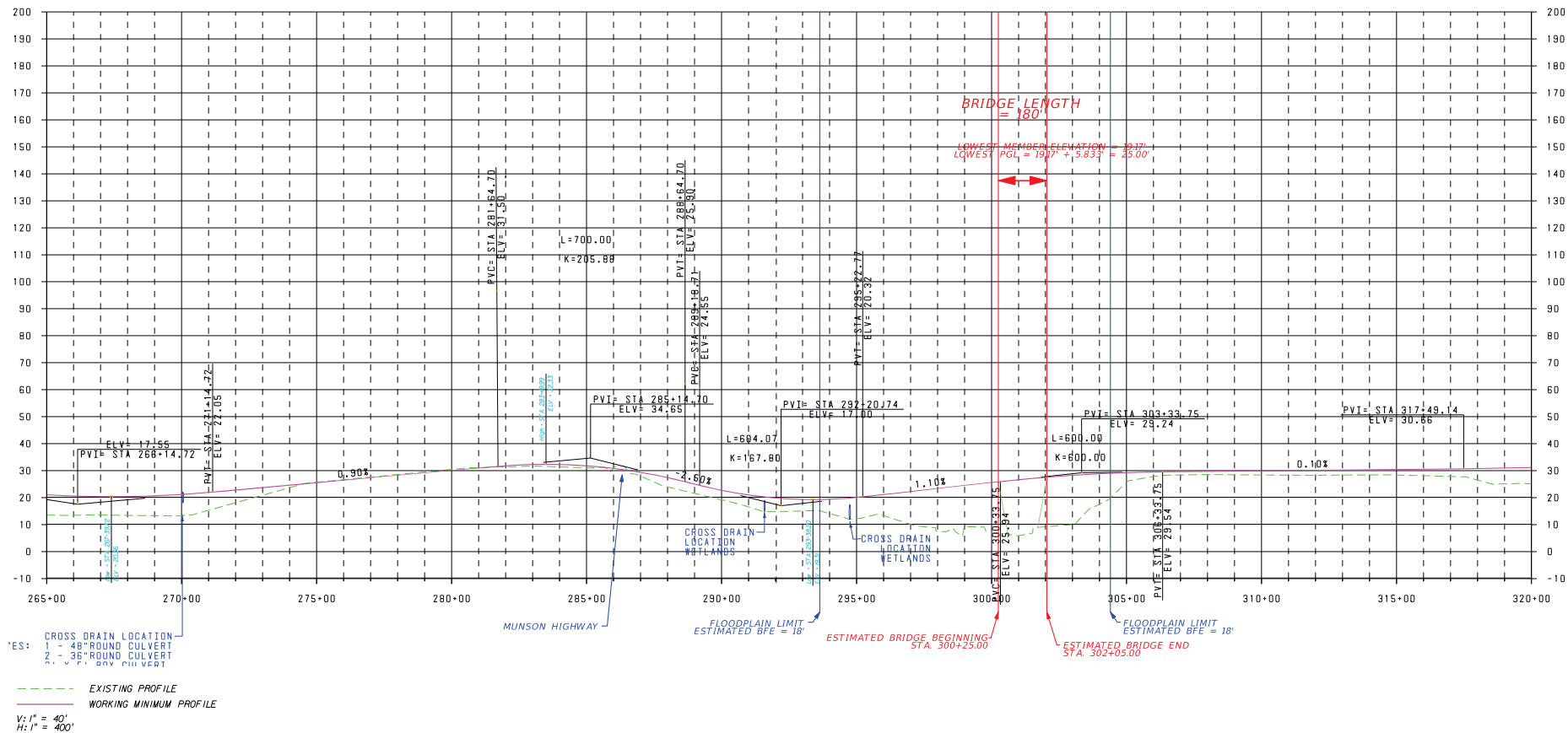
REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL (850) 872-8044 FAX (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET ALIGNMENT 1	SHEET NO. 43
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				● ENGINEERS ● PLANNERS ● SURVEYORS	SR 87	SANTA ROSA	416749-3-22-01, ETC.		

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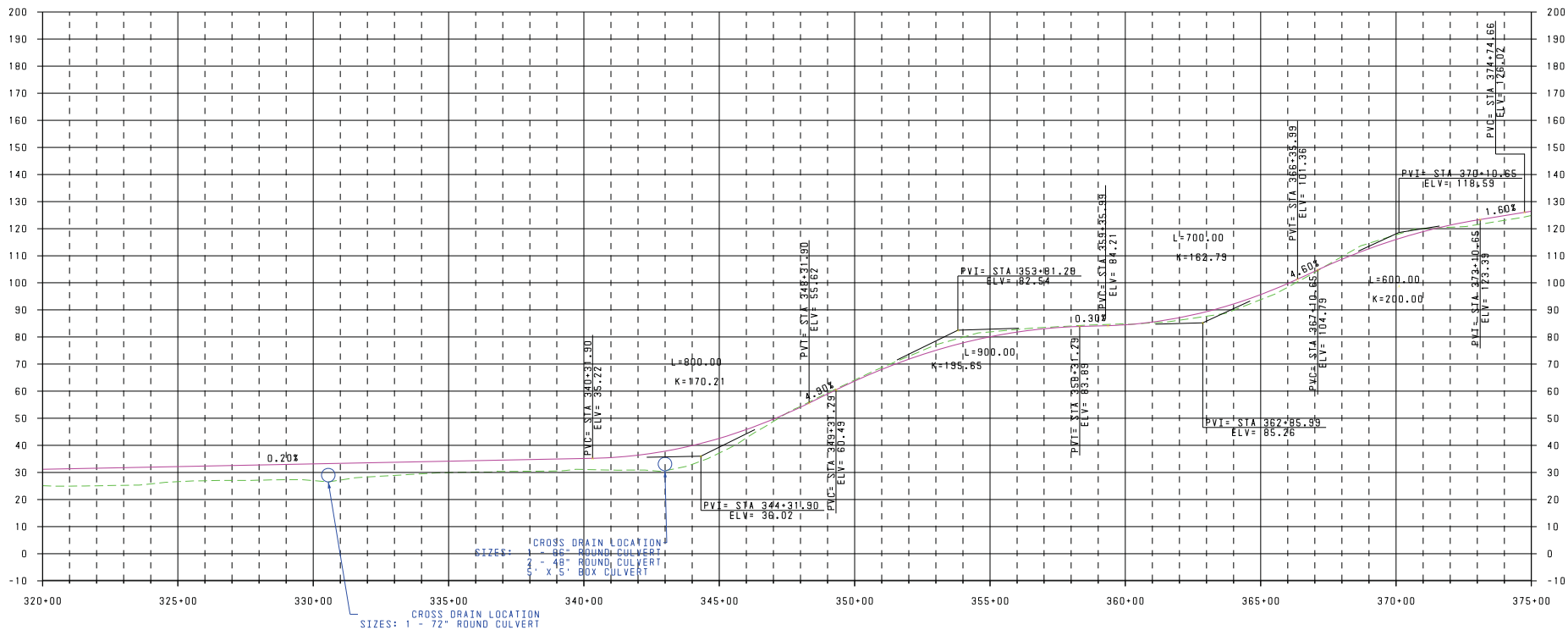
REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL (850) 872-8044 FAX (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET ALIGNMENT 1	SHEET NO. 44
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				● ENGINEERS ● PLANNERS ● SURVEYORS	SR 87	SANTA ROSA	416749-3-22-01, ETC.		

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--- EXISTING PROFILE
 --- WORKING MINIMUM PROFILE
 V: 1" = 40'
 H: 1" = 400'

REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL (850) 872-8044 FAX (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET ALIGNMENT 1	SHEET NO. 45
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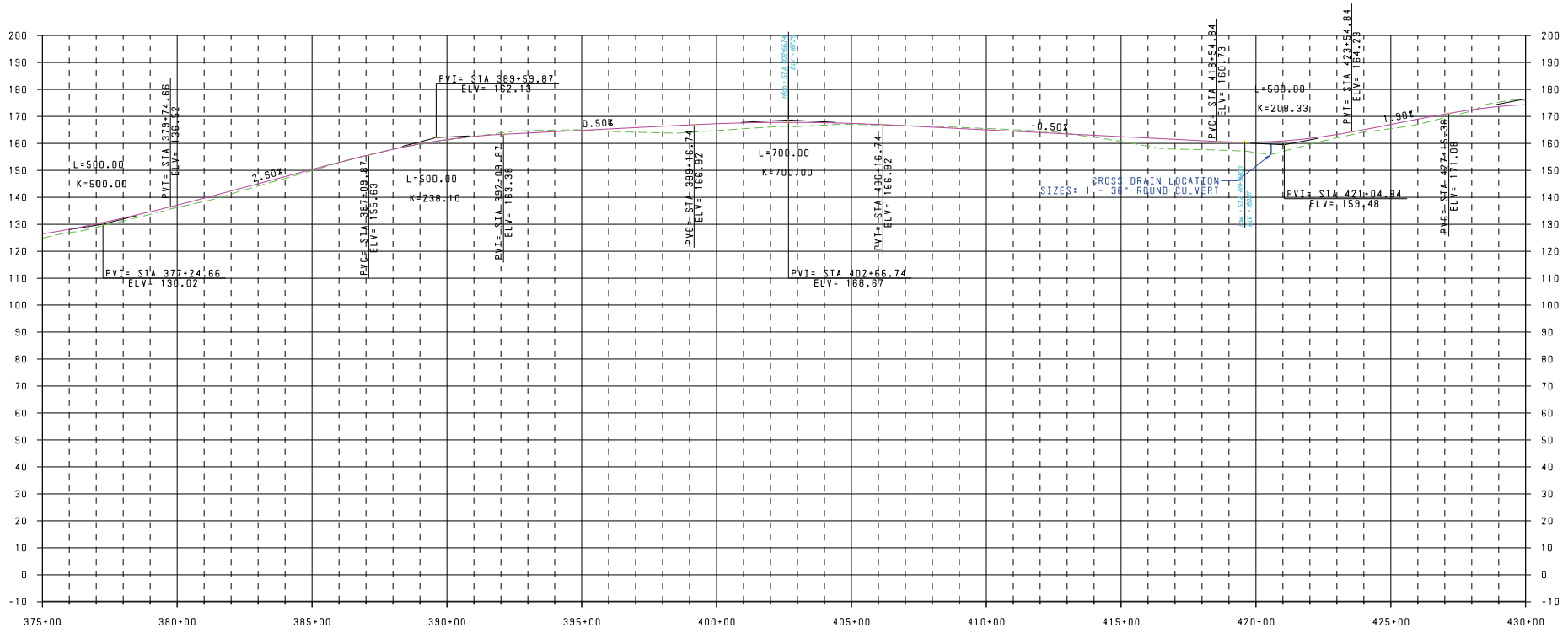
• ENGINEERS
 • PLANNERS
 • SURVEYORS

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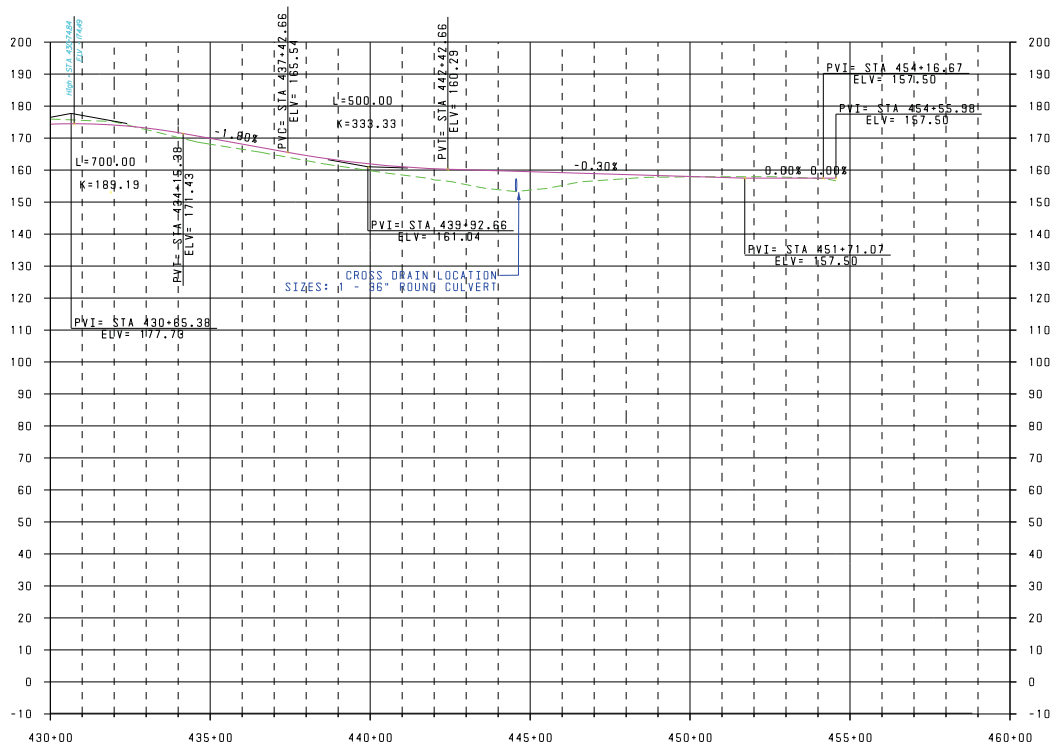
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--- EXISTING PROFILE
 --- WORKING MINIMUM PROFILE
 V: 1" = 40'
 H: 1" = 400'

REVISIONS				 METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE SHEET ALIGNMENT 1	SHEET NO. 46
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 87	SANTA ROSA	416748-3-22-01, ETC.		



--- EXISTING PROFILE
 --- WORKING MINIMUM PROFILE
 V: 1" = 40'
 H: 1" = 400'

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION



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METRIC ENGINEERING, INC.
 2616 JENKS AVENUE
 PANAMA CITY, FLORIDA 32405
 TEL. (850) 872-8044
 FAX. (850) 872-8704
 FLORIDA CERT. NO. EB-0002294

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

PROFILE SHEET ALIGNMENT 1

SHEET
 NO.

47

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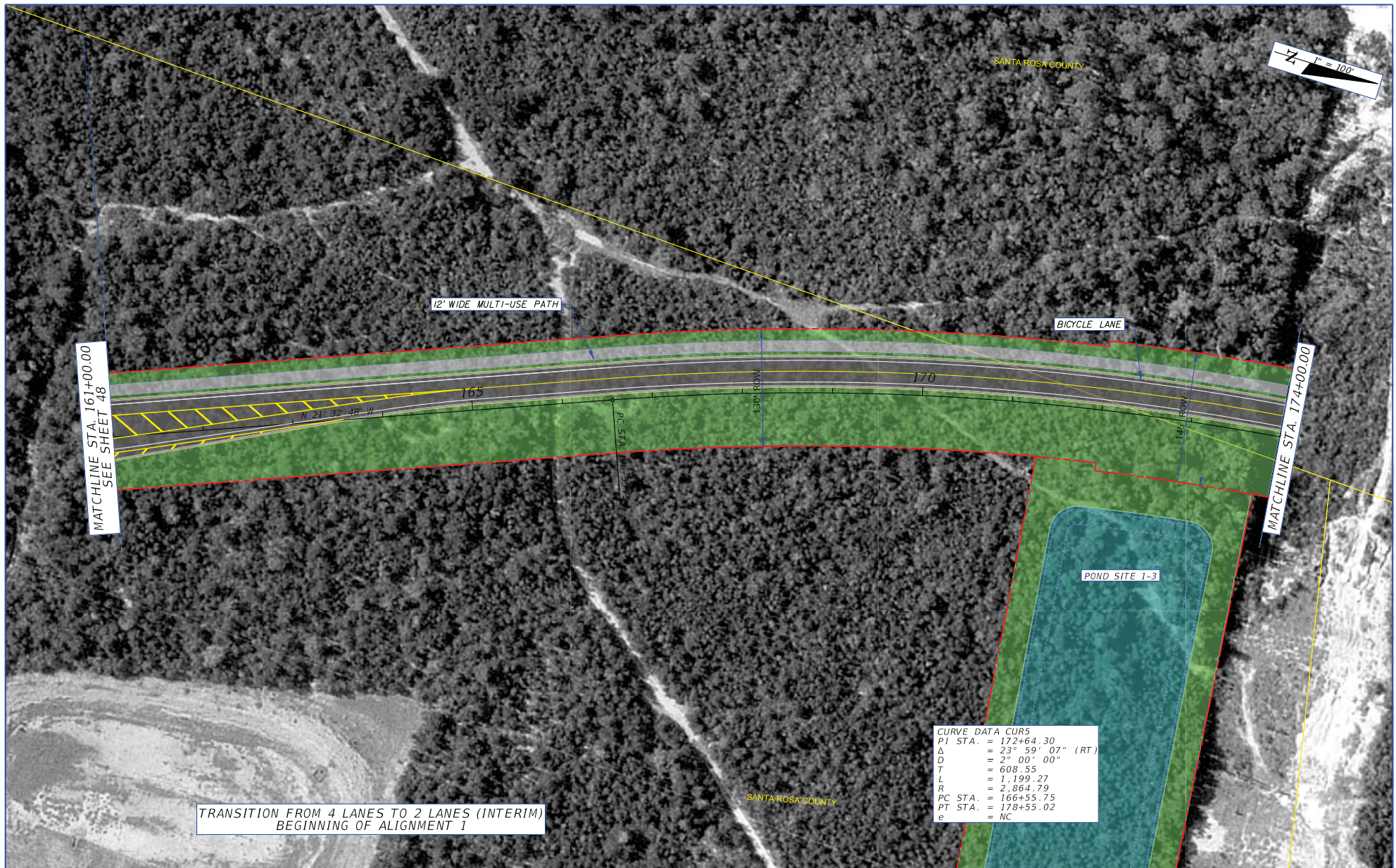
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CURVE DATA CUR4	
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D	= 3° 00' 00"
T	= 475.30
L	= 931.67
R	= 1,909.86
PC STA.	= 139+11.45
PT STA.	= 148+43.12
e	= RC

TRANSITION FROM 4 LANES TO 2 LANES (INTERIM)
BEGINNING OF ALIGNMENT 1

REVISIONS				 ● ENGINEERS ● PLANNERS ● SURVEYORS	METRIC ENGINEERING, INC. 2616 JENKS AVENUE PANAMA CITY, FLORIDA 32405 TEL. (850) 872-8044 FAX. (850) 872-8704 FLORIDA CERT. NO. EB-0002294	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRANSITION LAYOUT ALIGNMENT 1	SHEET NO. 48
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 87	SANTA ROSA	416748-3-22-01, ETC.		



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION


METRIC ENGINEERING, INC.
 2616 JENKS AVENUE
 PANAMA CITY, FLORIDA 32405
 TEL. (850) 872-8044
 FAX. (850) 872-8704
 FLORIDA CERT. NO. EB-0002294

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

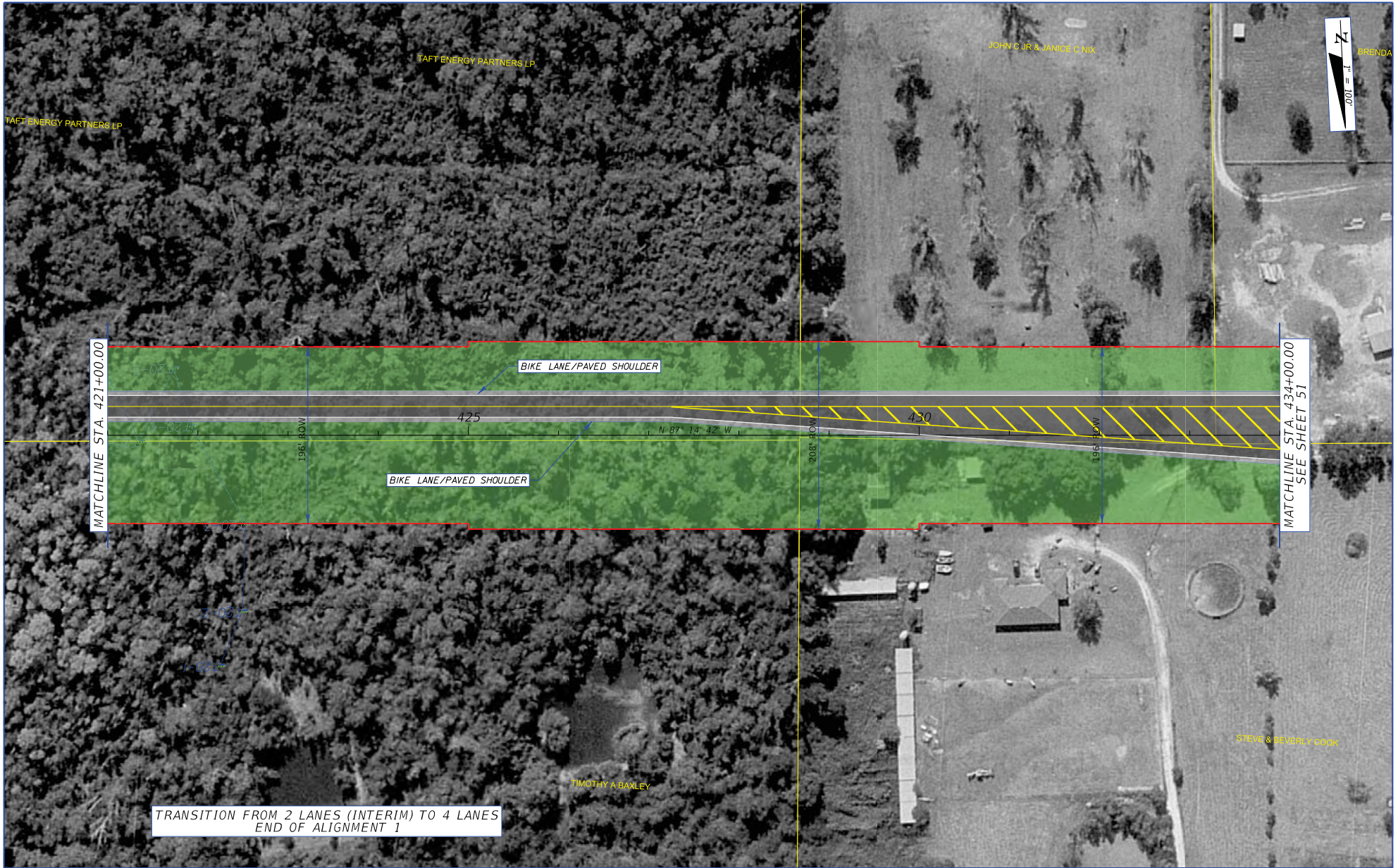
TRANSITION LAYOUT		SHEET NO.
		49

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TRANSITION FROM 2 LANES (INTERIM) TO 4 LANES
END OF ALIGNMENT 1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



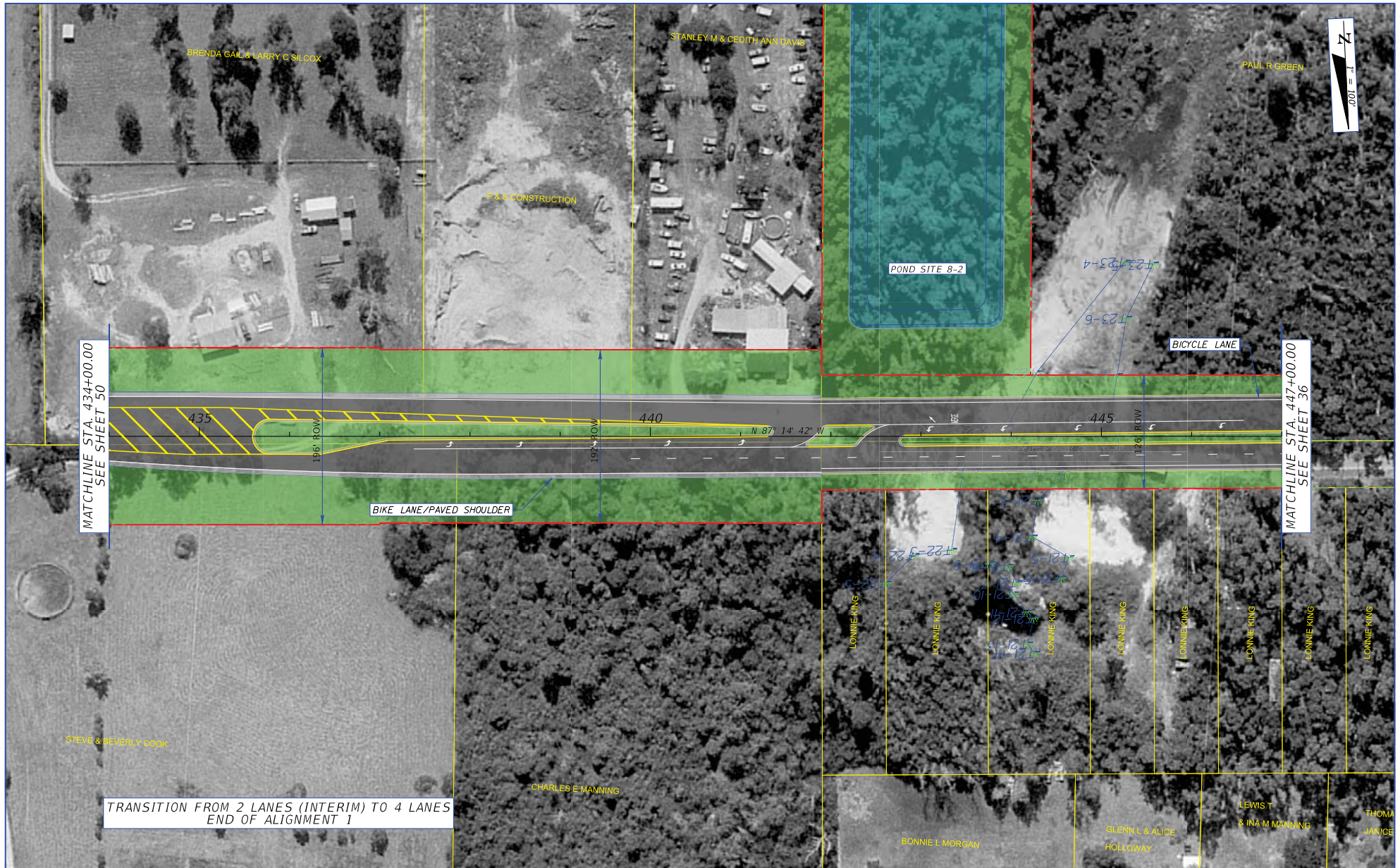
METRIC ENGINEERING, INC.
 2616 JENKS AVENUE
 PANAMA CITY, FLORIDA 32405
 TEL. (850) 872-8044
 FAX. (850) 872-8704
 FLORIDA CERT. NO. EB-0002294

- ENGINEERS
- PLANNERS
- SURVEYORS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.


TRANSITION LAYOUT

SHEET NO. 50



TRANSITION FROM 2 LANES (INTERIM) TO 4 LANES
END OF ALIGNMENT 1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



METRIC ENGINEERING, INC.
 2616 JENKS AVENUE
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 TEL. (850) 872-8044
 FAX. (850) 872-8704
 FLORIDA CERT. NO. EB-0002294

- ENGINEERS
- PLANNERS
- SURVEYORS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416749-3-22-01, ETC.

TRANSITION LAYOUT

SHEET NO.
51